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# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XI CHICAGO AND NEW YORK, AUGUST 10, 1895. No. 375

## THE AMERICAN FLORIST

Copyright 1895, by American Florist Company.  
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY  
THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to  
AMERICAN FLORIST COMPANY,  
P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

*The Eleventh Annual Meeting*  
OF THE  
**Society of American Florists**  
WILL BE HELD AT  
**PITTSBURG, PA.,**  
**AUGUST 20, 21, 22, & 23, 1895.**

Members may remit the annual dues (\$3.00) to the secretary prior to the meeting, thus avoiding the crowd and relieving the officers on the opening day. Badge for 1895 will be sent by mail to those who remit in advance of the meeting.

Intending members can obtain any information wanted by addressing the secretary.

**OFFICERS:**  
EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treas.

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NEXT WEEK comes our convention number, extra size, full of good things, including the only reliable color chart yet published.

MR. MATHEWS will give next week a careful review of the 36 colors represented in our color chart, prepared expressly for florists' use.

### The Convention.

Are you going? Pittsburg extends a hearty invitation and her open-hearted florists are ready to give you a generous welcome. The Society of American Florists, too, calls upon you to come and contribute what you can by your presence, your influence and your voice towards the great and beneficent work which this organization seeks to carry on, but which can only be accomplished through your co-operation. There are many questions regarding the society's future policy to be settled and upon their settlement depends the society's future usefulness. The welfare of every florist is concerned. The Society of American Florists points with pride to the honorable record, the stupendous results accomplished through its agency during the past ten years and stands ready now to face new problems. Its whole mission is the elevation and advancement of our noble profession. Are you not interested? Have you not opinions on how this can best be accomplished? That being the case do not stultify yourself by making peevish complaints in the papers or stay at home and spend your time in fault-finding. If you are a member of the society it is your privilege and your duty to help mould its policy and direct its work. If not a member you cannot, from a business point of view, make a better use of three dollars than to apply it to this purpose.

### THE WORK MAPPED OUT.

The preliminary program promises us the usual interesting and instructive series of papers and discussions, queries and answers on practical subjects of every day necessity in the florist's life, contributed by the men who have been most successful in these different lines. A rare treat, alone worth a trip to Pittsburg, will be the entertaining lecture on the fertilization of flowers, illustrated with a wonderful mechanism of moving models by Wm. Hamilton Gibson. The trade exhibition also promises to be as heretofore a comprehensive exposition of up-to-date improvements in every branch of floriculture and allied interests. Important questions regarding the internal affairs of the society will come to the front and that the element of excitement will not be lacking may be inferred from the rumors that several candidates for the presidency are in training and that the society will be called upon to choose between two or more cities that will come forward with urgent invitations for the convention of '96.

### THE SOCIAL SIDE.

The president's reception, which will take place on the evening of the opening day, will be a new feature from which much is expected. Everybody and his wife will be there and all will have a

chance to get acquainted. It will be held on the theatre stage where there is ample room and every convenience for the comfort and pleasure of the guests. The theatre will be brilliantly lighted, music and refreshments will be provided and the trade exhibition will be open throughout the evening. On the afternoon of the same day the ladies will enjoy a ride through the East End to Highland Park and Schenley Park, returning in time to attend the reception.

The bowling teams will be accommodated as never before. The alleys under the Grand Opera House will be at the exclusive disposal of the Florists' Club bowlers. The alleys are very fine, regulation size, their only defect being a rather short space for running. There are six alleys in all, and connected therewith is every convenience for the bowlers, such as sponge baths, dressing rooms, etc., also plenty of room for spectators. The tournament will take place on Wednesday afternoon.

On Friday the visitors will be given an opportunity to view the great industrial establishments which give to the state of Pennsylvania its prestige in American manufactures. A sail up the Monongahela River and a visit to the famous steel works at Homestead will be an event long to be remembered. It is gratifying to be able to announce that the shooting tournament which was at first reported as abandoned will positively take place on Friday, time and place to be announced in due time. If you have a gun bring it with you; if not you will be provided with one by the local managers.

### HOW TO GET THERE.

If you can possibly arrange it join forces with the delegation from the nearest large city. Boston, New York, Philadelphia, Baltimore, Buffalo, Cincinnati, St. Louis and Chicago will each send a party of considerable size, and good company makes time fly rapidly on a long railroad journey. It is not necessary, however, to go in company with any of these delegations in order to avail yourself of the reduced railroad fares. The special rate of one and one-third fare for the round trip has been granted by the representatives of all the roads from all points east of the Mississippi River. *Be sure to get a certificate from your ticket agent when you purchase your ticket.* Apply a day or two before starting time and if he has not the certificates on hand insist on his getting them. If you cannot produce the certificate on return trip you will have to pay full fare.

### THE HEADQUARTERS.

The headquarters of the society will be at the Alvin Theatre on Sixth street, between Penn. avenue and Duquesne Way. Here all the departments will be under one roof. Connected with the audience room and exhibition rooms are a beauti-

ful ladies' parlor, gentlemen's smoking room, secretary's headquarters, committee rooms and perfect toilet conveniences. This will be the home of the S. A. F. from August 20 to 23, and there should be a large and representative gathering.

#### Pittsburg and Allegheny Hotels.

Below are given the names and locations of the hotels at which rates have been secured by the local committee for convention week, rate per day, number each can accommodate, and whether American or European plan.

The Chairman of the Hotel Committee is Mr. B. L. Elliott, 38 Fifth avenue, Pittsburg.

##### PITTSBURG.

Central Hotel, Smithfield street, between Second and Third avenues. American plan. One person in a room, \$2.50; two in a room, \$2 each. Can accommodate 200.

St. Charles Hotel, corner Wood street and Third avenue. American. \$2. Can accommodate 100. Hotel Willey, Sixth street near Penn. American. One person in a room, \$2; two in a room, \$1.75 each. Accommodate 100.

New City Hotel, Fifth avenue. European. \$1 to \$2.50. Accommodate 20.

American House, 1002 Liberty street. American. \$1.50. 75 rooms.

Hotel Schlosser, corner Sixth street and Penn avenue. American. \$3. Accommodate 150 to 200. Hotel Anderson, Sixth street. American. \$3, \$3.50, \$4, \$4.50 and \$5. Accommodate 50 to 100.

Monongahela House, First avenue and Smithfield street. American. \$3 and upwards. Accommodate 60 to 75.

Hotel Durr, corner Fourth avenue and Market street. American. \$1.50 and \$2. Accommodate 25.

Hotel Duquesne, Smithfield street. European. \$1.50 to \$5. 90 rooms.

Home Hotel, Duquesne Way. American. \$1.50. Accommodate 75.

Seventh Avenue Hotel, Seventh avenue. American. \$2.50 and \$3. Accommodate 100.

Hotel Boyer, Seventh and Duquesne Way. American. \$2. Accommodate 100.

Eastern Exchange Hotel, Penn avenue, East End. American. \$1.75. Accommodate 50 to 100.

##### ALLEGHENY.

Gerst's Hotel, East Diamond street. 50 cents to \$1.25. Accommodate 25.

Hotel Schreiber, 35 S. Diamond street. \$1.50. Accommodate 50.

Hotel Randall, 49 S. Diamond street. \$1.50. Accommodate 25.

Hotel Girard, 20 Federal street. \$1.50. Accommodate 45.

Hotel Willard, 187 Federal street. \$1.00. Accommodate 75.

Hotel Mabold, Federal and Robinson streets. \$1.50. Accommodate 25.

Hotel Sauers, 84 Federal street. European. 50 cents, 75 cents and \$1. Accommodate 40.

Hotel Wetzler, 31 E. Diamond street. \$1.25. Accommodate 15.

Chas. Schutte, 162 Lacock street. \$2.00. Accommodate 25.

Hotel Carson, 168 Lacock street. \$1.

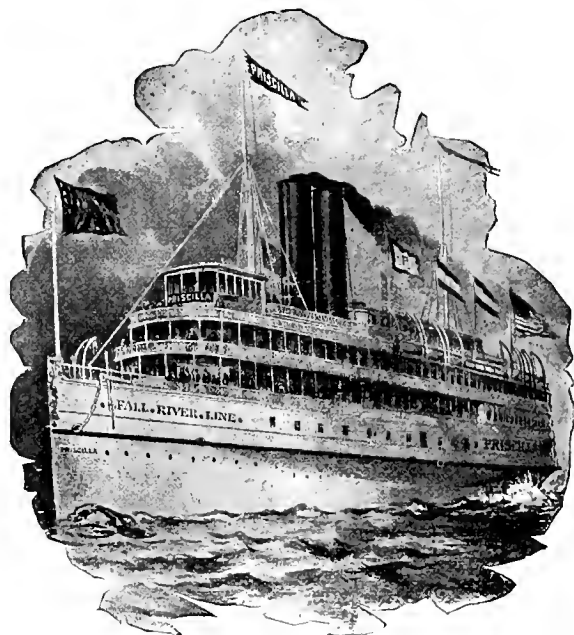
Hotel Burdett, 2 Federal street. \$2.

#### From the Atlantic to Pittsburg.

The Boston party will leave at 7 p. m. on Sunday, August 18, from Park Square station, via Fall River Line, due in New York early on Monday morning, where they will join with the delegation from that city, going over the Pennsylvania railroad. The trip from Fall River will be on the steamer Priscilla, the newest and most beautiful of the Sound steamers. This will be a delightful sail, and all those going from eastern New England will do well to go in company with the Boston boys. State rooms on Priscilla may be secured by applying to Wm. J. Stewart, 67 Bromfield street, Boston, Mass.

From New York and vicinity the party will start via Penna. railroad, foot of Cortlandt street, at 9:30 a. m. Monday, August 19. The New York Florists' Club will take charge of all arrangements for the comfort of the travelers. All those intending to go with the New York party are earnestly requested to so notify Mr. John Young, secretary N. Y. F. C., 51 West 28th street, New York City.

The New York train is due at Philadelphia at 11:57 a. m., and will leave for



STEAMER PRISCILLA.

Pittsburg at 12:25 p. m., after being joined by the Phila. delegation. Phila. will be represented by a large party, and the Philadelphia Florists' Club will take charge of that train in time honored Philadelphia fashion. The route runs through the most picturesque part of Pennsylvania. Pittsburg will be reached at 11:30 p. m. eastern time, which is 10:30 p. m. at Pittsburg. Members from the east requiring berths on train or state-rooms on boat on return trip are advised to secure same long in advance, as at the time of closing of the Pittsburg meeting the great army of Knights Templars will be on their way to Boston, and traveling accommodations will be severely taxed.

#### Chicago to Pittsburg.

The committee of the Chicago Florist Club has arranged with the Pennsylvania railroad for transportation to Pittsburg. The party will have special cars on train leaving Union Depot, Chicago, at 3 p. m. Monday, August 19, reaching Pittsburg at 6 a. m. eastern time (7 a. m. western time) on Tuesday, the opening day of the convention. Florists in the west and northwest are cordially invited to join the party. Berths may be reserved by addressing the chairman of the committee, Mr. G. L. Grant, 322 Dearborn street, Chicago.

#### Miscellaneous Seasonable Hints.

The middle of August is late enough to sow pansies for your spring sales. It is in this latitude just about right. The time you sow, however, will not ensure you fine plants next April and May. It will be the care with which you winter them. I have tried several different plans of sowing pansies, and am sure there is no safer or better way than to sow in drills in a frame. Let the drills be two inches apart and very shallow, only just covering the seeds; raise the sash 4 or 5 inches back and front, so there is a current of air over the seedlings all the time, and the glass should be heavily shaded till the young plants are well up, then gradually lessen the shade and in three or four weeks you can remove the sash alto-

gether. To those raising acres of pansies this may be too much trouble, but for those raising a few thousand, or say sowing one ounce of seed, I am sure it is cheapest in the end. By sowing broadcast you are liable to get the seeds too thick in places and have spindling plants, whereas in drills you can make every seed count. The greatest enemy of the pansy seedlings is red spider, which I have seen hurt them very much in hot dry September, so keep well watered and syringed if needed. A good strong healthy plant should be grown before the severe weather of December sets in. From December to April 1 they scarcely grow at all. As soon as fine weather comes in April people ask for pansies, particularly for filling vases. As soon as the seedlings have made their true leaf plant out in shallow cold frames; 4 to 5 inches between the plants will do. They will need no covering till middle of November; when hard frosts come they should be covered with sash, and in addition to the glass when real winter comes hemlock boughs laid on the plants lightly will prevent their being raised out of the ground by the freezing and thawing, which always occurs in February and March.

Roman hyacinths will soon be arriving; get some of them in flats at once. They are always useful in November. Don't use unwieldy boxes of all sizes and depths; 3 inches deep, 2 feet long and 12 inches wide is a good convenient size, and will hold 50 bulbs without crowding. Place the flats outside and in the shade if convenient, and after a thorough watering cover with 3 or 4 inches of light soil or tan bark. Pans of Roman hyacinths sell very well at Christmas, for there are few things in that line that can be had at that early date; 6 and 8-inch pans are best. Put the bulbs in thickly and they make a nice show.

Many of us are now cutting Lilium lancifolium rubrum and album. Don't throw away the old bulbs; they can be grown for years and save you the cost of buying new stock. I don't advocate this with Lilium Harrisii and longiflorum, for the bulbs are too cheap to bother with, and you force them more than you do the lancifolium. When the flowers of the

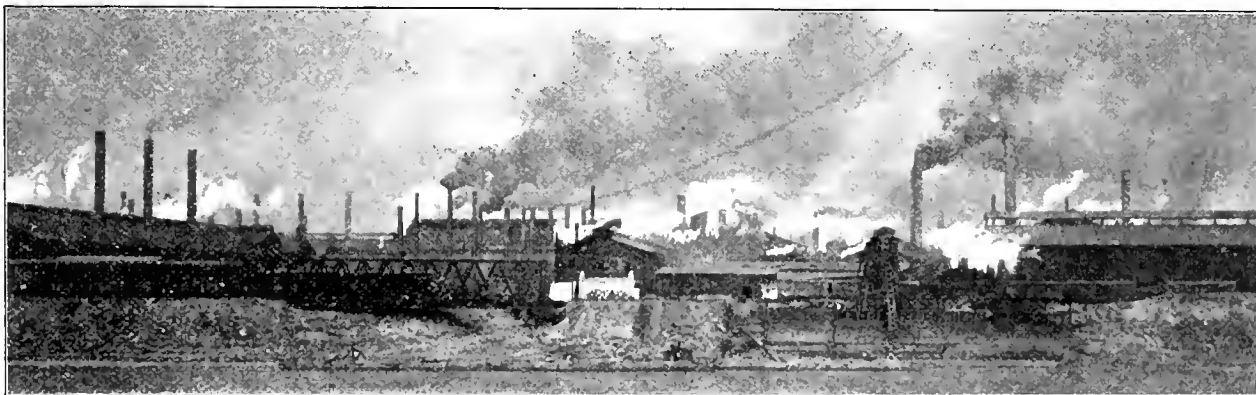




CASINO IN SCHENLEY PARK.



COAL BARGES ON THE RIVER.



A PITTSBURG IRON MILL

PITTSBURG POINT BRIDGE  
GLIMPSES OF PITTSBURG

latter are cut place the pots out of doors, and if weather is very dry water occasionally till the stems are quite ripe, then store away under some cool dry bench until time to start up again in February or March.

Now is a good time to sow begonia Vernon. This is really a very useful summer begonia, is quite easily raised from seed and does not take up much room during the winter. In mixed borders it is useful, and for vases it has with me given great satisfaction, thriving either in bright sun or shade. The prevailing colors are white and pink, and a branch or two of it helps greatly to fill in bulk a cheap bunch of flowers.

WM. SCOTT.



Orchids for August.

I have often wished to give a resume of the climates of certain countries from which we obtain orchids, but as I have intimated before the data is so meagre and unsatisfactory that it is tantalizing rather than usefully instructive. It but rarely applies to the stations the plants inhabit, and even for such stations as are given the authors vary a good deal.

As there are but few flowering orchids to note during August, perhaps something may as well be said about climates. I will chiefly confine myself to American orchid countries north and south of the equator, because they are more complex and I fear far less understood than almost any others of similar extent on the earth. The great bulk of the orchids of the old world are from northern latitudes, and the periodicity of their rainy seasons are perhaps more regular and well defined. It is much easier also to obtain authenticated records of climatology from Asiatic or even from African stations.

The following table is a brief, imperfect exhibit of a series of latitudinal and altitudinal ranges of temperature upon which growers are supposed to have based their cultural divisions:

MEAN FAHRENHEIT.	Spring.	Summer.	Autumn.	Winter.	Altitude feet.
Rio Janiero, Brazil. . . . .	77° 72°	76° 82°			
Lima, Peru. . . . .	78° 68°	69° 77°			530
Belize, Honduras. . . . .	80° 83°	80° 79°			
Kingston, Jamaica. . . . .	78° 81°	79° 76°			50
Matamoros, Mexico. . . . .	75° 84°	76° 64°			55
San Jose, Costa Rica. . . . .	71° 69°	67° 68°			3,772
Guatemala, Guatemala. . . . .	68° 67°	66° 63°			4,961
*Quito, Ecuador. . . . .	60° 60°	63° 59°			8,970
*Bogoto, Columbia. . . . .	59° 59°	58° 59°			8,863
Alto del Trijo. . . . .	Max 74°	Min 70°			6,000

\*Both high above *Odontoglossum crispum*.

It will be seen at once that it becomes cooler as progress is made away from the equator, or away from the sea level, but far more potent considerations than these influence the growth and reproduction of plant life.

Generally speaking the rains follow the sun in tropical countries, that is to say, the heaviest rains occur when the sun is vertical or nearly vertical. There is a zone along the equator where the rains are almost of daily occurrence; the heaviest rains of the Eastern monsoon regions occur between June and November, but on the American continent, within the tropics, no such limits can be assigned to the rainy periods. The following table compiled from notes collected from a

variety of sources will show this—with-out attaching great weight to its absolute accuracy:

#### RAINY PERIODS OF PARTS OF TROPICAL AMERICA.

Para, Brazil, December to May and 120 other days.

South Brazil, January to June.

Andes of Ecuador:

Andes, west side, January to June.

Andes, east side, March to November.

Venezuela, in part, April to July and December

to January.

West Indies, in part, April to June and October to November.

Central America, June to October and January.

Middle Negro, June to December.

British Guiana, August to February.

French Guiana, November to June.

Ecuador, in part, November to June and September to October.

This is a sufficiently remarkable exhibit, and will explain why American orchids seem to desire to take turns at growing nearly all through the year, and will grow if moisture and temperature at all favors them. The prudence of permitting them to do so has often been thrashed over by cultivators, but there are some species which are difficult to grow at any other period, one of the most notable that I know of being *Cattleya Schilleriana*. Similarly the best growths I have seen on southern forms of *Odontoglossum crispum* were made in a warm house during winter, and I imagine a good deal has to be learnt as to the distribution of this species, and the "new districts" we so constantly hear of. Only the other day I saw an importation of these plants which I felt a positive pity for, believing they would have been far better left to propagate themselves in their native wilds. No doubt the woods are still full of them, but many a fine form has been lost—perhaps forever—when with proper care it might soon have been increased largely.

It is certain if something is not done by the Indians in the direction of perpetuation rather than destruction that Ceylon or Borneo will steal a march upon them some day, and be found planting *Crescentia cujete* upon which to grow fine American orchids for export. I have shown how they have got away with vanilla and with quinine, and it is not impossible to be done with fine cattleyas. But in some cases attention is as necessary to the finer Eastern orchids as to the western ones, that their supply may be more certain and abundant. The steamship is making the orchid planter possible. Two of the *Vandae* flowering this month would unquestionably be oftener met with if they were cheaper and easier to obtain. *Arides Sanderianum* is among the best of the many forms which have come to light in late years. It is easy to grow and its large flowers are delightfully perfumed.

*Vanda Sanderiana* is a flower which very many of you have seen. It is more too common. The plants are not likely to be perpetuated in the United States, and as the collectors will never cease bribing the natives so long as a plant remains, it is quite within the range of possibility to exterminate a plant inhabiting such an insular station as this one does.

*Saccolabium guttatum* in some of its forms flowers very beautifully during August, and compensates for the passing of the *arides*.

There are several dendrobes which are apt to flower during the warm months when freshly imported. Among those I have noted as flowering outdoors during August are *Dendrobium aureum*, *crystallinum*, *densiflorum*, *formosum*, and one or two others of the hirsute forms.

*Cattleyas Gaskelliana* vars., *bicolor*

vars., and *El Dorado* vars. are all likely to flower during August. *El Dorado* is less frequently seen than it deserves to be, and all that seems necessary for fresh plants is to keep them well up to the glass.

I would not call any of them florists' orchids, however. *C. Gaskelliana* can not at all compare with the varieties of *C. gigas*, which it is still possible to have in flower. It is queer enough that although I have seen more places where there are orchids within the last month than for years before, I have not seen a single flower of any of the midsummer species. I don't know what becomes of the "theories" about growers being unnecessary in such case.

*Epidendrum radicans* is a little bright colored flower surmounting a scandent stem. It is of no use to the florist, and I introduce it here because it is very easy to propagate and increase, but many complain that it is very difficult to flower; it flowers well enough if the whole plant can be soaked during its period of growth and be kept well up to the glass during winter and rested until the foliage is purpled (not shriveled). It emits aerial roots all through the year, and as the stems become abundant the roots can not be soaked sufficiently with the syringe or hose to produce good growth. It grows from May to December and flowers from April to May, so it is manifest that I had no business to write it in here. I should not have done so but that I began to write under the name of *E. ranitum*—the tree-frog orchid—which *does* show its curious green flowers during August.

*Odontoglossum pulchellum majus* will often give a second crop of flowers when hung out of doors and properly watered. The same is true as regards *Oncidium incurvum*, and *O. flexuosum*—both flower outdoors.

The mesospinidiids flower well, but are difficult to have in perfection until the cool nights come along at the end of the month. *M. vulcanicum* is a very charming little thing, easy to grow and propagate, but evidently requiring equality of temperature for perfection of flowering. The other species grown are pretty but quite small.

*Miltonia candida grandiflora*, and some others of the genus, flower well outdoors or in the house during the month. *Peristeria elata* is often belated until August. *Trichopilia tortilis* is a dull colored little orchid, which also produces a few flowers outdoors. *Zygopetalum maxillare* has a beautiful little flower, but the plant, although easy enough to divide, seems to resent disturbance a good deal. It ought to be possible to import the ferns alive upon which some of the scandent species of *zygopetalums* grow. It would be pleasing to see both in perfection.

Trenton, N. J. JAMES MACPHERSON.



Carnation Notes.

Storm King has proved a disappointment in its outdoor growth with me this season. Last year it made a very good sized plant even though we had a long and severe drouth. This seems strange, for we have had an ideal season for growing carnation plants. I do not think it



MINIATURE LAKE IN SCHENLEY PARK, PITTSBURG.

advisable to house this variety until it has made a good sized plant, for it is in my opinion one of the sorts that must be large to produce a quantity of bloom. Alaska has made a remarkably fine growth here; the plants are in fine health and promise well; they are slightly affected with rust. Bride of Erlescourt has also made a most vigorous growth, but in this section it has developed the rust to such an extent that I will be unable to place any in my houses. This variety promise dwell, but like some others the rust loves it on my soil.

Crystal, a white sent out last spring has made the best growth of any of the numerous sorts I received, the plants are large and as near as I can judge in perfect condition. Meteor and Bridesmaid are both in fine condition, Kobinoor is a fine grower and if it will continue so during the winter nothing more can be asked of it than that it will produce fine bloom. The gem of all the new sorts I have as far as growth and habit is concerned is Peach-blow. This sort comes the nearest to Scott in its general appearance of all the novelties and at present I believe it will out-yield the Scott.

Now is the time to commence picking out your stock plants for next winter's propagating. Place a stick to such plants as show the greatest tendency to throw up a great number of strong blooming stems. When you house your plants put those which you have staked at one end of the bench next to those of a similar sort and note the difference.

CHAS. H. ALLEN.



#### Chrysanthemum Notes.

Those having space unprovided for can secure very good blooms if planted on or before the 25th inst. Four to six inches apart each way and grown to single stem is the most practical way at this date. These will be more dwarf than those planted in June and July, as well as later

in flowering. The early varieties such as Marion Henderson, Mrs. E. G. Hill, Yellow Queen, etc., may be looked for the last of October. Where the space between the bench and glass does not exceed two feet Ivory, and W. H. Lincoln should be used, selecting small soft plants such as have been potted a few weeks ago. Mrs. Jerome Jones is unsurpassed for late white, but will require three feet in the clear to perfect itself.

The plants benched in June and July if not already attended to will soon need tying. As this operation has been so many times fully described it seems needless to give full details. However, use either stakes or twine as is most convenient, but with neither material at hand the latter will be found less expensive. When stakes are used one wire over each row will suffice, and if not larger than No. 18 will be found much easier to handle than larger sizes. Two wires will be necessary when twine is used, one a few inches above the soil and one over the row. Three-ply jute or binder twine are the best, which can generally be purchased at from 6 to 10 cents per pound. The jute put up in a rope of fifty strands will be more convenient to those who require a large number of one length, as fifty strings can be made with one cut. Many grow Ivory without tying, and there is no serious objection to this, although they become more or less top heavy when the flowers are fully expanded. We prefer them somewhat secured and so run one wire twelve inches high along each row to which they are tied, thus doing away with stakes or twine, which adds greatly to the appearance of the house.

Those in the retail trade having young plants in 2 or 2½-inch pots can convert them into single stemmed and bush plants by the time they are needed. A 4-inch pot or 5-inch pan (we prefer the latter) are suitable for the single stems, and three plants to a 6-inch, five to a 8-inch and so on according to the size will give very salable stock, in fact, more so than many which have been grown on since the spring months. These with good care will have foliage down to the pots, and range from twelve to thirty inches in height when in flower. In potting them up see that the soil is well firmed; you can hardly carry this to excess unless the soil is very heavy. In such a case add sand enough to insure good drainage.

ELMER D. SMITH.

#### Herbaceous Plant Notes.

Hibiscus militaris looks more like a woody shrub than a herbaceous plant at this time of the year, being four feet high or over. The fine large deep rose colored flowers spring from every leaf axil along the stout straight stem; they are very large and open, funnel shaped, and produced from the latter part of July until fall. The leaves are very dark green and deeply cut into narrow pointed lobes. A fine and stately plant, either for a large clump in the lawn or the back row of the border, and also for the shrubbery.

Chelone obliqua blooms profusely in August and September, grows to a height of 2 to 2½ feet, and bears terminal close spikes of handsome large dark purple flowers. The plant forms a neat, compact bush, and is well adapted for the border or as a single specimen plant in the lawn. Chelone glabra is a variety of the above, with the same compact habit and very little difference in the coloring of the flowers, but has more glossy and shiny foliage. I have frequently seen plants advertised in catalogues and sold under the name of C. glabra, which on flowering proved to be Pentstemon barbatus, an entirely different plant with long loose panicles of red flowers, not at all resembling those of the one in question.

Funkias, especially the variegated sorts, are grown principally for their fine ornamental foliage, and deservedly so, for the variegation in the leaves is strikingly handsome and lasting. No prettier permanent edging can be obtained than by using these variegated funkias. There are a number of varieties to select from. F. Fortunei var. has very pale decidedly glaucous green foliage, the upper and under side being alike in color, suffused with irregular paler streaks and splashes all over the leaf. It is a free and robust grower, with broad and pointed leaves, attaining a height, when in flower, of 1½ feet, but the foliage will only be about 9 inches above ground. F. ovata fol. var. has leaves 6 to 9 inches long, recurving, sharply pointed and dark green; the variegation consists of narrow white stripes and bands throughout the leaves and a white edging—a rather dwarf variety. F. undulata media picta is profusely and irregularly variegated with white and pale green in long and broad bands all through the leaf, and most all the leaf stalks are also creamy white. The foliage is broader and a little shorter than that of F. ovata, and on account of the hand

some coloring is highly esteemed for cutting in the winter months; plants are forced readily for that purpose. This variety is also sold largely every spring in pots for cemetery ornamentation. *F. grandiflora*, or the plantain lily, is a very broad leaved green variety with cordate foliage, and when well established forms a great mass of foliage  $1\frac{1}{2}$  to 2 feet high. The flowers are very sweet scented, large and pure waxy white. This is one of the best known hardy border plants.

*Cimicifuga racemosa* is the same thing as *Actæa racemosa* of some catalogues, and also goes under the name of *Cimicifuga serpentaria*. The flowers are produced on very large and long branchy compound racemes, which are loose and graceful. It sends out these ornamental flower stems in August and September, and grows to a height of  $3\frac{1}{2}$  or 4 feet. A highly ornamental plant for the back of border, and of easy culture in any situation, but really does best in moist places and when partially shaded; the plants will grow more luxuriantly and the flowers last for a longer period.

*Cephalaria tartarica* brings forth large yellow terminal, globose flower heads in summer, but grows rather tall for the ordinary border, 5 to 6 feet, still along fences or in a shrubbery it is a most desirable plant. The leaves are large, pinnate, oblong lanceolate and deeply serrated. The plant is very hardy and increases rapidly if left undisturbed, forming large clumps and blooming freely in the shrubbery, where they make a grand show at a time when but few of the hardy shrubs are in bloom.

*Ophiopogon Jaburan variegatus* is usually grown in pots, and I have also seen it classed among bothouse plants in some catalogues, still it is perfectly hardy here, and should be so all over the United States or Canada. It blooms about the beginning of August and lasts 3 or 4 weeks in perfection; the erect racemes are densely covered with numerous small light blue flowers, which are followed later on by large dark metallic blue berries, which remain on the plant until fall. The leaves are narrow, arching and long, grass like, but thick and leathery; they are streaked with creamy white and pale green bands. In a rockery or front row of border this exceedingly pretty plant does very well and should be planted more frequently. When potted up in the fall it makes a fine pot plant and sells well in the store, or may be used in decorating mantels among ferns and other dwarf growing plants, also good for fern dishes. Height about 10 inches.

*Carlina acaulis* is a very dwarf plant, with small spiny thistle like leaves, which are of a very dark green with ashiny surface, and lay almost flat on the ground. The plant is a great curiosity, bearing large white flowers, almost stemless, close in the heart or center of each growth and forming a rosette surrounded by the almost regular shaped dark shiny leaves. It is well worth growing in the garden, and when in flower attracts the attention of most everybody. Any soil or situation will answer for it, and it only grows 8 inches high, flowering time July and August.

I shall try to answer several inquiries for a list of fine *Phlox decussata* next week if possible. J. B. KELLER.

Rochester, N. Y.

YOU WILL make a mistake if you allow our great special convention number to go to press without a strong adv. if you have anything to sell to the trade.

#### Springfield, Mass.. Sweet Pea Show.

After two postponements the annual exhibit of sweet peas began here Tuesday, July 30, to continue two days. Although for a month there have been strange conditions of backwardness in the blooming of this flower, and the final date was fixed with some anxiety, the display was by far the finest ever given in this city, and probably has never been exceeded anywhere. The writer, on account of six weeks' absence in Europe at the time when his vines needed good attention, did not compete, and can thus speak of the merit of the exhibit impartially. We are glad to have Springfield attract the best growers of this flower, and aim to give the highest educational value to the competition. The finest exhibits were made by F. A. Blake, Rochdale, Mass.; A. A. Hixon, Worcester, Mass.; O. H. Clark, Woodmont, Ct.; W. A. Phelps, Lee, Mass.; L. D. Robinson, Springfield; M. G. Merritt, Westboro, Mass.; O. H. Dickinson, Springfield; all of whom made fine displays in the larger classes. Beside these there were excellent smaller exhibits. All the latest novelties were shown—Eliza Eckford, a large flower of white ground and dainty rose patches; Mrs. Joseph Chamberlain, the largest rose-striped sort yet seen, Duke of York, which falls below its intended type of rose pink standard and primrose wings; Duchess of York, a delicate pinkish purple stripe; Meteor, richer in orange salmon than Orange Prince; Novelty, a bright rose pink, some improvement on Miss Hunt; Katherine Tracy, a very soft pink, coming in between Mrs. Gladstone and Princess Beatrice.

The new white Blanche Burpee was shown, the writer's bunch of twenty-five stems being the most that was shown. It does not yet establish a reputation, its germinating quality having given great trouble here and in England, although in California it is all that is claimed for it. As I saw it on Mr. Eckford's grounds it is a magnificent grandiflora white, and shows the result of long patient labor in carrying it up. It being a white seeded white adds to its interest, but may detract from its germinating quality. No double sweet peas were shown, although a premium was offered for them. For the first time that the writer has seen it a true single stem, showing four blossoms and one bud, was shown. Mr. Eckford also begins to see one or two such, and this is the next step in the culture of this flower.

The quality of this show at Springfield is very high. Mr. Blake's blossoms showed the grand effect of his rich clay loam. He, with Mr. Hixon, go down and capture the Boston prizes, and are the crack exhibitors at Worcester, and now have come to the sweet pea city and taken first honors. But we have had an "off" year on this flower. Mr. Robinson, a first-class amateur, and myself were struck by the blight, and something else, that put our bloom four weeks back. I find on getting home that either a cold spell, or a dry, in June checked the vines, and when they rallied they sent out new roots, and the abundant rains that followed started them into too rank a growth. Mr. Clark, of Woodmont, who has made a fine reputation down in Connecticut, had the same back set. I do not know even yet whether my fine sorts are going to vine or to blossom.

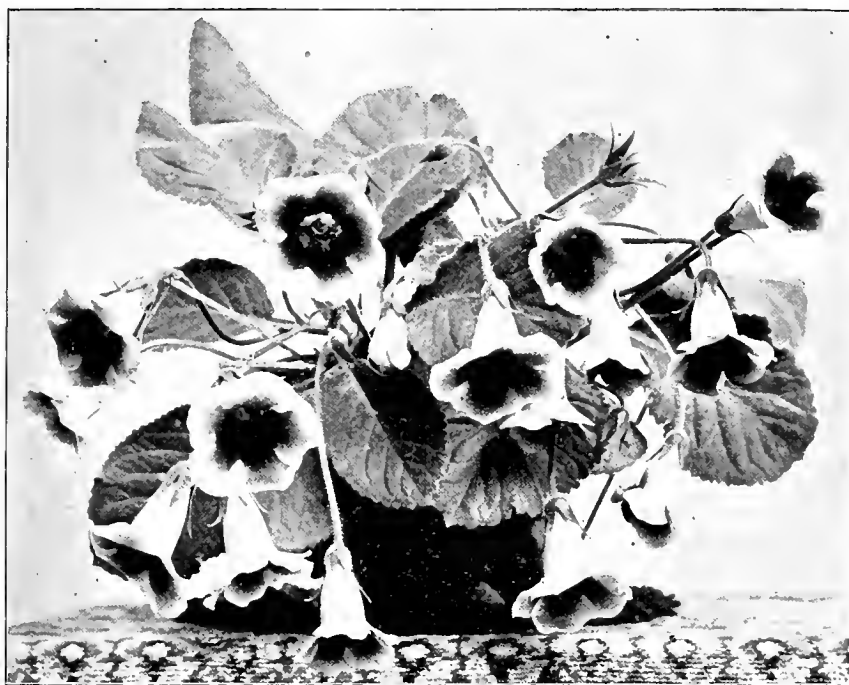
The splendid success which some of our exhibitors have had shows that it is a matter of intelligent culture, and any one who sees such a show of Eckford beauties as we have had will certainly keep on

trying till they master the simple points for their culture. The last year's novelties, Penzance, Beaconsfield, Ovid, Peach Blossom, Royal Robe and Stanley, were shown in fine bunches. The 1893 set, Blushing Beauty, Emily Eckford, Firefly, Gaiety, Duke of Clarence and Venus, hold their quality splendidly. But Mrs. Eckford, of the 1892 set, made the largest grandiflora blossoms, and these splendid bunches of primrose yellow were a treat. In the competition for white Mrs. Sankey took the first, Emily Henderson second. My general observation of the latter leads me to say that I believe it is gaining ground in its germinating quality. It is refreshing to hear, as I did yesterday from one man, that apparently every seed came up with him.

The life of this sweet pea enthusiasm depends on the success of amateurs, and the blight is proving a serious drawback with them. Since it has come I am glad I had it in serious form this year. I get many a wailing letter. We cannot count on its being less serious next year. Our only hope is to combat it and conquer it. It does not attack the root, nor the stalk above ground, but just that part of the stalk between the seed and the surface of the ground. Just that five inches of the stalk where the soil has been filled in gets shiny, rots, and leaves only the woody thread. The plant may be six inches high or three feet high, it suddenly wilts, and the mischief is done beyond repair before you have notice. It soon turns yellow. Some of my vines that were pretty well along threw out roots above the diseased part and started to grow again. I fear that the fungus spores are in the ground ready to multiply the mischief. I have depended thus far on trying to avoid the trouble by keeping the upper soil free from rank matter. In this neighborhood both clay and sandy loam show the disease. Changing the location seems to be an advantage, but not a sure remedy. I have almost feared it would be useless to beat against the popular tide of disappointment in trying to encourage the culture of the improved varieties. Mr. Eckford says, "Try the sulphur treatment." To do this we shall have to cover the seed lightly, and shortly after they come up give them a dusting or two of sulphur. Perhaps Bordeaux mixture sprayed on before any soil is filled in around the stalk may forestall the danger. The disease is unknown in England, neither does the Pacific coast have it. Since I have visited Mr. Eckford and seen the beautiful things he has in store for us I feel that this blight is a bitter foe, and must be met without delay and with summary treatment.

I shall write for the *FLORIST* about my visit to Mr. Eckford and England next. And will you permit a word kindred to this matter? I stand in a peculiar position on this flower, where I am in danger of being misjudged by individual seed growers, or my work looked upon with a tinge of suspicion as being subservient to some seed house. I feel interested in every seed-grower in California that is helping to supply the great demand for sweet peas in this country, and believe they are all striving to give us good stock and true to name. I can count on the fingers of one hand the seedsmen whom I have met personally since I went to California to visit the growers. And yet have been told that I had influenced the trade against a certain grower. My articles in the *FLORIST* are the only way I could have influenced the trade to any appreciable extent, and surely they reflect on no individual





POT PLANT OF GLOXINIA SAPPHO

grower. It is the very thing I have tried to guard against, for I was treated with great courtesy by the growers, and stand ready to commend their work, being anxious as much for one as another, lest the jobber will crowd down the grower and quantity rather than quality will be the object in growing this seed by the acre, and the improved sweet pea will disappear like a dream. And now, in going to England specially to study this flower, though a grower and a seedsman shared the expense with me, I enjoyed the welcome and confidence of Mr. Eckford, a confidence that carries peculiar obligation and which admitted of no kind of espionage which could be turned to the shrewd advantage of these gentlemen. And I shall guard points which I see lie peculiarly in the line of Mr. Eckford's interest, and still give to this grower and this seedsman the information that is by right theirs. And there is yet much more of great value to all the trade and all lovers of this flower which it is my happy province and privilege to give away. It strikes me as rather funny that I should affect any one's business unfavorably in this flower, since there are about four times as many tons of this seed sold now as there were when I began to write about sweet peas. W. T. HUTCHINS.

#### The Gloxinia as a Pot Plant.

We present herewith an engraving from a photograph of a pot plant of Gloxinia Sappho, sent us by Mr. Fred C. Morlan of Salem, Ohio. In response to an inquiry as to the cultural methods pursued in producing his plants, Mr. Morlan writes as follows:

"The bulb was potted about January 20 in ordinary good soil, first half filling the pot (4-inch) with half rotted sod for drainage. After giving a thorough watering it was placed in a temperature of 50° and not watered again till the second pair of leaves made their appearance. As soon as the roots were formed around the outside of the ball the plant was shifted into a 5-inch pot and placed in a

temperature of 65° in a partially shaded position and given water as needed, care being taken to allow no water on the upper surface of the leaves, and steps taken to at no time allow the hot sun to strike them. About the time the bulbs formed the plant was again shifted, and this time into a 6-inch pot, in which it flowered, bearing thirty-seven flowers measuring over three inches in diameter. I think the gloxinia should be grown a great deal more than it is at present, as it is one of the most profitable plants florists can grow for summer sales, and it will give good satisfaction to the customer if properly cared for."

New York.

The spring trade in plants was practically ended by June 1. It had been unusually brisk in the early part of the season, but fell off badly in the latter part. As a whole it equalled or exceeded the trade of 1894, and may be said to have been moderately satisfactory to the growers making a specialty of this line, and especially to those whose stock is well grown and has a reputation for good quality. Prices ran slightly lower on most varieties than last year and broke badly towards the close of the season. A notable exception to this was the price of geraniums, which showed a decided advance on all sides, the result of the largely increased demand for these plants. No other line of plants can begin to compare with the geranium in this respect, although there has been a gratifying increase in popularity of cannas, single petunias, phloxes, ornamental foliaged plants such as acalyphas, crotons, dracaenas, etc., and roses when well furnished with buds and blossoms. Among the city florists whose bedding plant trade has been almost wiped out since apartment houses have usurped the place of individual residences with little front and back yards the demand for English ivy, variegated vincas and nasturtium, for window boxes, etc., has increased considerably. Fuchsias, alternantheras, eche-

verias, heliotrope, achyranthes and coleus, also all other varieties whose use is confined chiefly to carpet bedding show a falling-off in demand. Those who still cling to raising verbenas claim that they paid just as well as any other kind of stock this season.

Growers all say that bedding plants at prevailing prices are not a profitable crop, and express the opinion that there are too many grown and that if the production could be curtailed and the quality improved better prices and more profitable business would result. No doubt some of the trouble may be attributed to the general depression in business, and when this cause is removed, and those who are not fitted for the business abandon it, as they are sure to do eventually a better adjustment of prices will follow. At present there are too many poor plants grown, and this stock, finding its outlet through the street vendors and auction rooms, has much to do with pulling down the general standard of prices. Many growers condemn the system of selling plants at auction, and believe that the establishment of a central market would put the trade on a healthier basis.

At Dailedouze Bros., most of the newer carnations are undergoing a good test in the field and their behavior is carefully noted. Helen Keller is away ahead of last year in vigor. Storm King on the other hand, is a great disappointment as to constitution. Fred Weir is growing splendidly and Maud Dean, Armazinda, Jubilee and Lizzie Gilbert are all doing well. Crystal is a most remarkable grower, in fact the strongest of all.

The enforcement of the laws against Sunday selling bears hard on the street fakirs, who are now thoroughly frightened, a number of them having been arrested for violations. Several of the regular stores and greenhouses have also had to suffer the consequences of Sunday selling.

#### Pittsburg.

The regular meeting of the club was held at Hotel Schlosser on Tuesday evening, and everything is in good shape for the convention. It was definitely arranged to hold the president's reception on Tuesday night on the stage of the Alvin Theatre instead of at the Casino in Schenley Park, as originally proposed; this change will permit the exhibitors to reap the full benefit of their exhibits all the time. Space is being very rapidly taken, and anyone desiring to get in had better hurry forward his application to Sec'y Geo. Oesterle, Bellevue, Pa., as soon as possible.

President Lonsdale and Secretary Stewart were here on Thursday, 1st inst., and were shown around by Mr. Bennett. They expressed themselves as well pleased with the arrangements being made for the entertainment of the S. A. F., and said without any hesitation that the Alvin Theatre was the finest place the society has had for holding its convention in, being thoroughly well adapted both in a business and a social point of view. Committees will have ample accommodations without leaving the building.

The action relative to the shooting contest was reconsidered, and a committee consisting of Messrs. A. W. Bennett and P. S. Randolph was appointed to secure suitable grounds, prizes, etc. for it. The committee say they will have everything O. K. on time, and for the shooters to bring on their guns, assured they will have a chance to show their proficiency as marksmen, and slaughter the blue rocks,

and no ocean spray to interfere with their sight; big scores ought to result.

The bowling committee have their arrangements completed, and a fine contest is expected, as the alleys are new and first class in every respect, and skill will have a chance to get "on top."

The ladies' committee has all in readiness to take the visiting ladies a drive out through the fine residence portion of our city, Highland and Schenley Parks, etc., starting from the Alvin on Tuesday afternoon.

Park work is progressing rapidly now that the bond issue is decided legal by the United States court. Men are being put to work at every available point. Contract for the new bridge over Panther Hollow is let at \$165,700, and the one for propagating houses will be awarded without delay. The flower beds are looking very well; the rains we have had for a few days past have brightened everything up, and the parks will be looking in first-class condition when convention meets.

Trade here is, as usual at this season, very dull, mainly funeral work, and some of our florists are putting in their time driving their fast, or alleged fast, horses in Schenley Park.

Visitors of the week were H. P. Kelsey of North Carolina and F. W. Kelsey, park commissioner of Essex, N. J. REGIA.

#### Boston.

Mr. C. M. Atkinson, who a few months ago retired from the charge of the John L. Gardner estate, a position which he had held for nearly thirty years, being about to sail on a visit to England, was given a little send-off by a few of his gardener and florist friends at the Thorndike Hotel on Saturday, August 3. Mr. Atkinson has just recovered from the effects of a dangerous surgical operation, and it was an occasion for general congratulation. M. H. Norton presided at the table, at his elbow sat Mr. Atkinson, and then came F. L. Harris, Edwin Sheppard, Patrick Norton, Jackson Dawson, Wm. Robinson, David Allan, C. W. Hoitt, Kenneth Finlayson, Jas. McGregor, M. H. Walsh, Jas. Wheeler, Jas. Comley, D. Zirngiebel, Warren Ewell, Wm. J. Stewart and several others. The Messrs. Norton, Jackson Dawson and Kenneth Finlayson, all of whom had been pupils of Mr. Atkinson, paid each a high tribute to his sincerity as a teacher and his abilities as a plant grower. Mr. Harris spoke of his old friend's inestimable services for the cause of horticulture in Massachusetts, and Mr. Zirngiebel referred pleasantly to the thirty-seven years of friendship which he had enjoyed with the man whom he regarded as the perfect embodiment of the old school gardener. From Mr. Robinson came the hope that their guest would retain for many years his vigor of intellect and renew his vigor of body; Mr. Sheppard disclaimed ability to make a speech, but asserted that he didn't know anything bad of his old associate, and he hoped he would have a good time and "that the frost might never hurt his praties." Judge Hoitt stated that this was the first time Mr. Atkinson had ever been brought before him, but he only wished he had him in his own bailiwick where he could get at him, and concluded with the sincere wish that he might have a happy experience revisiting the scenes of his childhood, a sentiment which was reiterated in the remarks of all the speakers who followed him on this long-to-be-remembered occasion.

Mr. Atkinson's response was most appreciative. He said that his thirty-eight

years of life in this land of sun had been one long pleasant day, his lot had been cast in pleasant places and none had more cause to be gratified to the Giver of all good things. These evidences of friendship were all the more gratifying to him as he felt that he had been always too stern and uncompromising to be popular. Referring to his recent marriage and the testimonial given him by these friends on that occasion he said "Believe me, my friends, it was not my own fault it was delayed by many years. As the evening gathered round me I realized there was a vacant chair and the voice of a tender loving companion was absent, yet no man was more happy than I was in my position, for had I not the kindest and most indulgent of employers? Conditions over which I had no control compelled me to abandon my post, otherwise wild horses could not have torn me from my duty. The feeling was creeping over me



C M ATKINSON

that I needed some repose. Our object was to 'fold our tents and steal silently away,' but our friends would not permit it and with these tokens of your friendship came a host of names which surprised and delighted me." Speaking of those who had served under him he said: "If I ever was successful it was due more to my age and lieutenants than myself, and there are many in and around Boston holding positions of honor and responsibility who can verify this statement, and some have carved out a lucrative path of their own. Of these men I am especially proud; some are with me here to-day. I am egotistic enough to feel they have all forgiven the sometimes harsh discipline of their old 'boss,'" and concluded with the quotation: "Happy have met, happy we remain; happy do we part in hopes to meet again." Then Auld Lang Syne was sung with a will and the company dispersed.

On Saturday, August 3, perennial phloxes were the special attraction at the exhibition in Horticultural Hall. These were shown by T. C. Thurlow, John P. Spaulding, J. S. Fay, E. Sheppard & Son, Rea Bros., Harvard Botanic Garden and W. C. Winter. The individual trusses, owing perhaps to unfavorable weather, were not equal to those shown in former years but there was a very evident improvement in varieties and some of the new colors were splendid. A large crowd gathered around the tank of nymphaeas

exhibited by Jas. Bryden, Jr. This was a splendid collection and the blooms were of enormous size. Among the novelties were three of Marliac's new introductions which were shown here for the first time. These were N. Laydekeri lilacina, N. Marliacea flammea and N. Robinsonii. A tub of hardy nymphaeas from Oakes Ames was also much admired. Mrs. P. D. Richards showed a collection of native flowers which for variety, rarity and beauty has never been equalled at this season. Natives were also shown in great variety by Miss Alice Z. Grinnell. The display of annuals and hardy perennials from Harvard Botanic Garden was very extensive. Mrs. F. L. Ames showed six varieties of montbretia and W. H. Cowing a good collection of cannas. W. W. Lunt was awarded a certificate of merit for a plant in bloom of Cattleia rex.

The estate of Mr. E. S. Converse at Malden, one of the many pretty places in suburban Boston, is very attractive at present with its extensive borders of old fashioned plants; and orchards laden with fruit. Inside the conservatories is a fine collection of show plants, one house being filled with splendid fuchsias, a sight seldom seen in recent years, and bearing witness to the skill of Mr. D. F. Roy, the gardener in charge. The Wootton rose has lived out here the past winter and Mr. Roy regards it as one of the very best of garden roses.

The wife of Maurice Prendergast, the florist at Malden, died on Monday, July 22.

#### St. Louis.

The cut flower trade has not improved any last week. Good flowers continue scarce and any sudden call for considerable quantity would give the florist difficulty to fill the order. The cut of roses is better in quality but not quantity; some very nice Perle, La France, Meteor, and Brides are seen. Asters are in full bloom and meet with ready sale at cheap prices. The heavy rains of late have done a world of good to outside truck.

The flower beds at Forest and other parks are now looking fine. Several large beds of Queen of the West geraniums in full bloom bear witness to the value of that beautiful variety. Beds of cannas are now in full bloom. Florence Vaughan, Mme. Crczy, Chas. Henderson, A. Bouvier and other large flowering varieties can be seen.

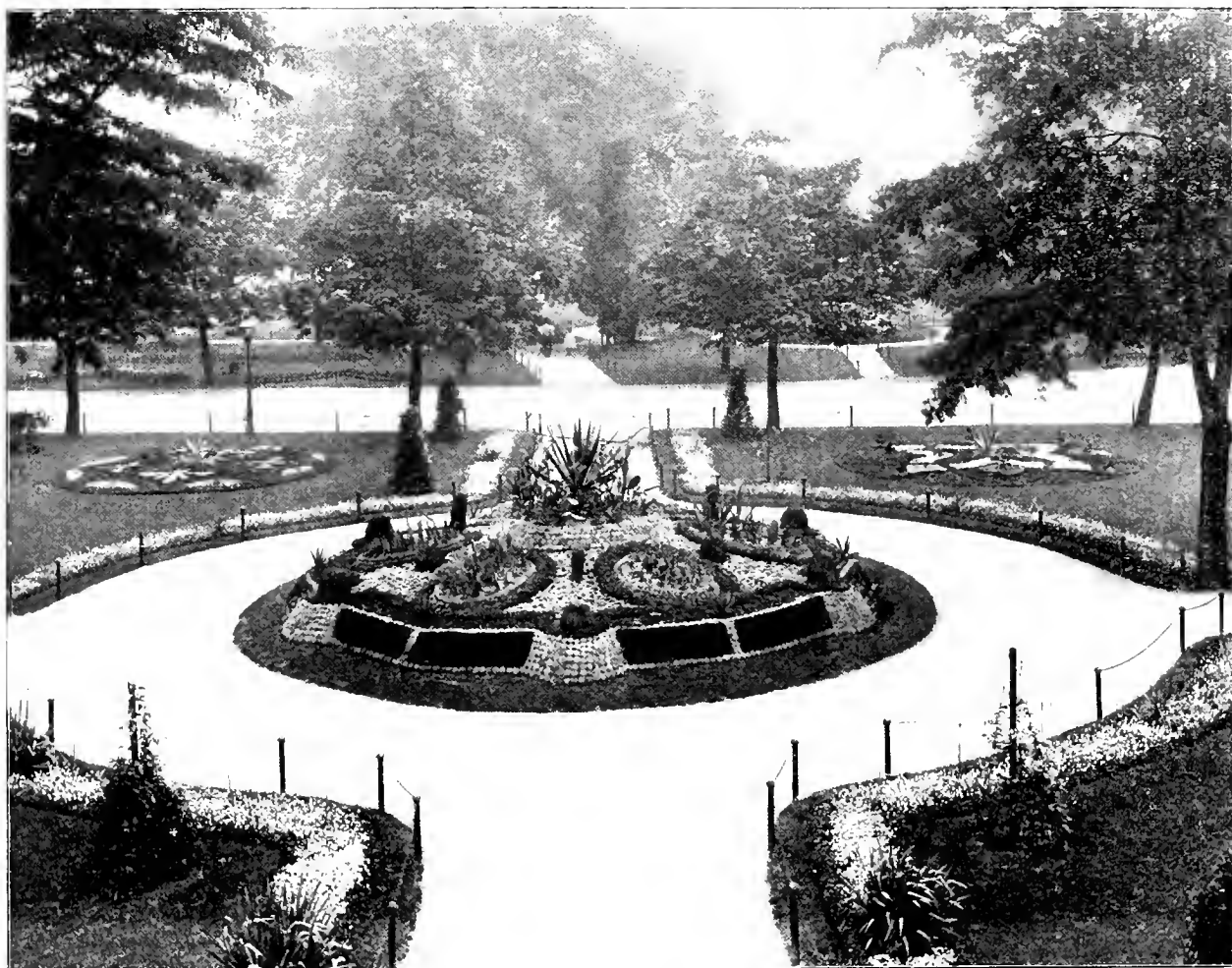
The damage done to Forest and other parks during the storm last week is estimated from \$3,000 to \$5,000.

Mrs. Wm. Ellison and son will open a retail store at 625 Olive street about September 1. Mrs. Ellison is the wife of Wm. Ellison, wholesale commission man this city.

John N. Birsner and Ludwig Zimmer have formed a partnership and bought the old stand formerly occupied by John Steidle, 1900 Belt avenue. The title is the Cote Brilliant Nursery. They will do a general nursery and florist business wholesale and retail.

Mr. Hausman, late of Blanke Bros. wholesale candy dealers, will open a retail flower store at northwest corner 6th and Washington avenues, under the Lindell Hotel, September 1. Mr. Wm. A. Hautt will be his manager.

At the bowling club Wednesday night only a few members rolled. Harry Young, one of the Japs, could not roll having had a bad fall from his bicycle, cutting his right hand to the bone. He will not be able to roll for some time now. Eight members rolled and the Chinese won two out of the three games rolled. Score, Japs 1830, Chinese 1922. Emil Schray



BEDDING IN HUMBOLDT PARK, CHICAGO.

made the banner score of the night, 245.

A recent visit to the greenhouses of Messrs. Pape, Fillmore, Schray and Ude, found their houses looking at their best; they are making extensive improvements, renovating, remodeling and painting. Mr. Fillmore is a great believer in paint, the fact is his old houses look just as good as the new ones. His rose and carnation houses are all looking tip-top, and from the looks of his houses Mr. Fillmore will have a prosperous season.

Our next visit was Wm. Schray's place, we found the old gentleman at home; he showed us around, and we found everything looking fine. His house of Beauties is the best I have seen. He expects to make a fine show of 'mums, roses and carnations at our exhibition.

Next we went over to see Mr. Wm. Pape, our new superintendent of public parks. We found him at home entertaining a few friends, among them was Mr. Felter of Felter & Bruecker. We were shown around and found his place looking like the others, first-class. Mr. Pape has turned his place over to his son, a young man of 20 years. "Billy" will devote all his time to the parks in the next four years. He was serenaded last Saturday night by a torch light procession of 300 friends and a brass band of 20 men. He received them kindly and marched them down to Cherokee Garden, where a fine lunch was spread. Speech making was in order, in which Mr. Pape thanked his friends for their kind remembrance.

Our next place to visit was Mr. F. W. Ude, Jr.; in Kirkwood. We found Mr. Ude hard at work in his orchard picking fruit. We were received very kindly by Mr. and Mrs. Ude. Mr. Ude grows nothing but carnations and violets, and no one grows them any better. His winter stock is looking at its best. Mr. Ude had the best violets and carnations that came to this market last season, and expects to have the same this year. Mr. Ude's brother, who lives next to him has just finished building 2 new houses for violets and carnations. My companion in my visits was Mr. C. A. Kuehn and we spent a very enjoyable afternoon. J. J. B.

#### Philadelphia.

While business is at low ebb there are signs of faith in the future, as is exhibited by the trade in general. The store men are painting, polishing and indulging in a general overhauling of their internal arrangements, and by fall everything will be ready for all comers. The work of the growers is, however, more important and expensive, as we see on every hand new buildings going up and repairs to the old houses. This repairing of old greenhouses is anything but a picnic, and with many of the progressive men in the trade it is deemed cheaper to tear down a dilapidated structure and build anew.

We notice on President Lonsdale's place the installation of a steam engine and pump; this improvement is considered necessary, as a means of guarantee

against the possibility of failure of the wind mill system to work when water is needed. It is intimated that the engine will also be used to operate an electric plant, but time will develop this surmise. A new boiler will also be placed in position by Mr. Lonsdale, so with these improvements we may anticipate great things later on.

Mr. John Burton is setting new boilers, believing it good policy to be sure of safe and perfect heating, which is business.

The Florists' Gun Club is a great institution in this city, and much sport is derived from the meets, which occur weekly. While the members of this club do not attempt to dwarf the laurels of Buffalo Bill or Dr. Carver yet they enjoy all the pleasure that it is possible to have in it. It being generally understood that the program at the Pittsburg convention would include a shooting tourney, and wishing to make a creditable showing our boys inaugurated a series of contests, with the view of picking a representative team for Pittsburg. These trials have been completed and this is how the record appears at the wind up at the final shoot.

John Burton . . . . .	79 per cent
Geo. Anderson . . . . .	72 "
Edw. Reid . . . . .	61 "
Thos. Cartledge . . . . .	54 "
J. Wm. Colflesh . . . . .	51 "

The annual schedule of the Pennsylvania Horticultural Society is before us; although coming out considerably later than in former years it contains a greater number of special prizes than ever before

offered at any show given by the society. It is interesting to note the wide difference in the amount of money offered in premiums as indicated in the schedule of the present year as compared with the premium list sent out in the fall of 1830. The present list shows twenty-five hundred dollars, the first or the list of 1830 shows the handsome sum of eighty-one dollars. While the sum of twenty-five hundred dollars is not of itself a great amount it serves to show a comparison between the past and present.

The growers in the carnation belt are at it with hammer and saw, as the list of improvements here noted will show.

At Kennett Square Wm. Swayne is putting up two houses; W. K. Hicks one new house and extension to violet house; H. H. Philips two houses and one lean-to; C. J. Pennock has laid in material for one new house, but is uncertain about building; Yestman Bros. one house for carnations and one for tomatoes; Harvey & McDonald one for tomatoes and one for carnations; L. Eastman two for carnations.

At Coatesville J. Brown Jr. is putting up one new violet house and extending three others; Philips & Goodwin are remodeling place formerly owned by A. N. Greenfield.

At Willow Grove Rakestraw & Pyle are building two houses for carnations and one for tomatoes.

At Toughkenamon J. Chambers of Chambers Bros. has built one house for tomatoes and bought part of Edw. Swayne's houses.

Harry Bayersdorfer and family and Paul Berkowitz and family are summering at Atlantic City.

Wm. Vogt and family, Camden, N. J., are at Ocean City for the season.

A. B. Ellsworth, Allentown, Pa., with his wife and daughter, made a brief stop in Philadelphia on their return from Atlantic City.

Mr. Isaac Kennedy, superintendent for Mr. John Burton, expects to rest at Cape Cod during the latter part of the present month.

Convention matters are being discussed and the arrangements for the trip are complete. It will be an enjoyable trip by daylight, and as the program has been so arranged by which the Boston and New York clubs will travel by the same train as the Philadelphia club nothing further need be said as to whether the excursion will abound in a real good time. The circular addressed to the club members states that the party will leave Broad street station at 12:25 p. m. August 19. It also contains a paragraph setting forth that music and refreshments will be on the train. The music and refreshments are under the direct management of Mr. John Westcott. Those who have traveled under the stewardship of John have no cause for wishing a change in that important office, which is managed with such magnificent ability.

The regular monthly meeting of the Florists' Club was held in Caledonian Hall on the 6th inst., President Lonsdale presiding. Considering the warm weather, the attendance was very creditable. The most of the evening was devoted to business pertaining to the approaching convention. Mr. Lonsdale was called on to give an account of himself while on his recent trip to the Smoky City. In response he informed the club that his trip was made in the interest of the S. A. F., and there was no time left for self. Mr. Lonsdale felt that the coming meeting would be full of interest to all, and was sure the Pittsburg brethren would see to

the comforts and enjoyment of all who are on hand to enjoy their hospitality.

Mr. Thos. Butler, Chestnut Hill, is preparing for the building of one more greenhouse.

The bowling alleys, formerly in use by the Florists' Club while in old Horticultural Hall, have been relaid at the establishment of Mr. Jno. Westcott. Mr. W. extends a cordial invitation to all the members of the club to visit the Laurel Hill Nurseries and enjoy a game. Robt. E. Berry was elected to membership in the club. F.

Mr. John Westcott opened his new bowling alleys at his Ridge avenue greenhouses on Saturday evening last, and they were pronounced by all who had the good judgment to accept the host's invitation to be present a great success.

Sides were selected, and a spirited contest resulted.

John Westcott, Capt.,	Wm. K. Harris, Capt.,
Dr. Geo. Goebel,	G. C. Watson,
Geo. Anderson,	J. Wm. Colflesh,
D. T. Conner,	John Walker,
W. J. Baker,	Isaac Kennedy,
A. Lincoln Brown.	George Craig.

The scores are purposely withheld because it is feared some of the clubs might decline to compete. Mr. Westcott furnished refreshments in his usual bountiful style. Mr. Wm. Westcott, Sr., was unavoidably absent on account of illness. Mr. Wm. Westcott, Jr., was present, having recently returned from his honeymoon trip looking happier and more smiling than even. Mr. Thos. Cartledge and Mr. Philip Alburger added dignity to the occasion by their presence. Dr. G. Goebel has a new brand of electric fluid on hand known as the "Trimble Brand." He prescribed it freely, and its effects were certainly beneficial, hence the desire to keep the scores a secret. L.

#### Chicago.

Business seems rather slower than last week; there is very little doing. Among roses Kaiserin comes in good quality, bringing \$3 per hundred, but \$2 is the average price, and there are cases where roses go for \$7.50 a thousand. A good deal of the rose stock is badly mildewed, and there are many short stemmed flowers. It does not seem wise to cut now from the plants depended on for next winter's blooming; to have any stem at all a good bit of the wood is sacrificed from these little plants, and it seems penny-wise to cut up the plant now when it ought to be storing up vitality for next winter's forcing. It seems only reasonable to suppose that a plant disbudded up to September would be in better condition afterwards, and would more than pay for the few flowers lost now.

In carnations nice field-grown whites bring 50 cents, house-grown 75. A few extra flowers have brought \$1, but not many. Sweet peas are down to 10 cents, asters 50, but they are coming in quite plentifully now, and the price is likely to drop. The early part of the week there was a greater demand for white flowers than at present, probably on account of extra funeral work. The general outdoor stock, hollyhocks, sunflowers, etc., brings very little, prices being rather unsettled.

O. H. Freese has given up his position with Reinberg Bros.

Ed. Winterson has severed his connection with T. J. Corbrey and now occupies a similar position with E. H. Hunt.

Larry Kelley, packer for T. J. Corbrey, is receiving congratulations on the birth of a son.

At the ball game between retailers and wholesalers last Sunday, at Summerdale, the retailers won, the score being 16 to 13. This was the third game of a series between the two teams.

Visited Chicago: Mr. Gesler of Gesler & Robbins, Galesburg, Ill.; M. C. Long, Kansas City, Mo.

#### Milwaukee.

Trade still retains its summery conditions; all dealers report the past week as exceedingly quiet. Stock is coming in very light and of medium quality and prices are low. All outdoor stock is in pretty fair shape owing to the recent rains. Sweet peas are quite plentiful and of fine quality, being especially long stemmed. The near by summer resorts, which have in former seasons used up the bulk of the summer stock shipped into this market, are somewhat slow this season. Either the visitors are not as socially inclined as formerly or Cupid's trip to these resorts must have been delayed somewhere.

At the last meeting of the Florists' Club quite a few members were present. The main topic of the meeting was the next chrysanthemum show. At a previous meeting a show was decided upon and the trustees were instructed to raise a subscription for \$500 of its members as a guarantee fund. They reported being unable to raise the amount and would not attempt to hold a show unless the entire amount was subscribed. A warm debate followed and after a lively discussion it was finally moved and carried not to hold a show. Unless this matter is taken up by the leading florists, as was rumored after the club meeting, and a show held independently, Milwaukee may possibly be without a chrysanthemum show this fall, which would be very much regretted by those who are in its favor. INCOG.

At a recent meeting of the Milwaukee Florists' Club a motion to rescind all previous resolutions pertaining to the next chrysanthemum show was carried, so they will have no show. But your correspondent has information from reliable parties that others will take the matter up and push it through, so parties who have intended exhibiting at the Milwaukee show may safely count on doing so never the less. Z.

One of our local florists turned out a job Wednesday which was uncommon and satisfactory, certainly original, for a baby's funeral. He furnished a plain wicker basket made with square corners much the shape of a hamper, this was lined inside with white sweet peas, also the cover, which remained up. The bottom was a bed of adiantums, in which the baby rested. There were a few fancy flowers arranged in the corners and inside of cover, principally jasmine; it was simple and much admired.

Flower trade has been better than common for this time of year. Roses open so fast that the waste is unpleasantly large, but most all that could be preserved in good condition has sold. The use of choice green appears to be on the increase. Sweet peas, although the price has been as low as 10 cents, have sold quite well. Some trouble has been experienced by the varieties coming mixed; this is most noticeable in Butterfly, where pink streaks appear it gives it a dirty appearance. Our California friends must be more careful; where the white comes tinted pink it is pretty. We have noticed quite a number colored about like the Bride rose. Augusta Victoria roses and Testout come



in daily now and are well liked. The gladioli in market this season average better than common, the limited number of Souper roses have paid so well. We wonder why more growers don't arrange a summer crop of this.

J. E. Matthewson of Sheboygan, also John Bensted and N. Clemenson of Racine were recent visitors.

LOUISVILLE, KY.—Nanz & Neuner filed deeds of assignment July 31; the cause of the failure is attributed to hard times and poor collections. Liabilities are estimated at \$25,000, with assets of \$50,000. The business will not be discontinued, but will be operated by the assignee, the Fidelity Safety Vault and Trust Company, until the affairs of the company are settled.

ARE YOU ready for the trip to Pittsburg?

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—By young man as all round greenhouse hand; steady and sober. Not afraid of work. G. SPENCER, P. O. Knoxville Tenn.

**SITUATION WANTED**—By single man as carnation grower, or general stock; 7 years' experience; can give good reference. Address CHAS. WOOD, Rome, Peoria Co., Ill.

**SITUATION WANTED**—By a young man, age 23, single, as gardener and florist; 9 years' experience in all its branches; private or commercial. Address E. J. E., 344 Clifford St., Rochester, N. Y.

**SITUATION WANTED**—As manager or foreman by a thoroughly practical grower of roses, carnations, etc., decorative and bedding plants, landscape and making up; 15 years' experience, married; middle or eastern states. COMMERCIAL care Am. Florist.

**SITUATION WANTED**—By competent florist in the cultivation of roses, carnations, violets, mums, palms, general plants; 30 years' experience in England, States and Canada; English, age 44, single, discharged 2nd September. G. H. M., Box 234, Brockville, Ont.

**SITUATION WANTED**—As foreman or manager; experienced in growing roses, carnations, chrysanthemums, plants, bulbs, cut flowers and bedding plants; also understands general nursery stock and landscape work; 34 years of age, married; references. Address PRACTICAL, care American Florist.

**SITUATION WANTED**—By Swedish middle aged florist and gardener as head gardener or foreman on commercial place in or close to large city; really understand the trade in all its branches; good salesman and floral worker; place with chance to rent or buy when acquainted preferred; particulars and wages without board to "FLORIST BUSINESS," care American Florist.

**WANTED**—Agents to sell Child's Ralomaker nozzle. M. M. JONES, Gen'l Agent, 6122 Oglesby Ave., Chicago.

**WANTED**—Two young men to work on roses and carnations. Address with references and wages expected. JOHN IRVINE Co., Bay City, Mich.

**WANTED**—A competent man for palms, ferns and general greenhouse stock. Must have first-class references. Address H. F. HALLE, 548 West Madison St., Chicago.

**WANTED**—A good man for flower store; if you haven't the best of references don't answer this. Address, stating wages expected. JOHN IRVINE Co., 230 Woodward Ave., Detroit, Mich.

**WANTED**—Good man to grow carnations, roses, chrysanthemums and general stock; state age; married or single makes no difference. Answer at once. ALFRED FAHCH, Crown Hill Cemetery, Indianapolis, Ind.

**FOR SALE**—A No 1 Scollay boiler; perfect condition. Price \$25.00. Address LOCK BOX 68, Du Bois, Pa.

**FOR SALE**—At good figure, one 14-section boiler, either steam or hot water; good as new. Address LEWIS TURNER, Kenosha, Wis.

**FOR SALE**—An 8 horse power steam boiler, used for hot water; in good condition. Price \$75.00. I. L. PILLSBURY, Galesburg, Ill.

**FOR SALE**—1000 feet Hitchings heavy 4-inch pipe cheap. For price and particulars address THE FLORAL EXCHANGE, 614 Chestnut St., Phila.

**FOR RENT**—A florist and vegetable business, established 34 years; three greenhouses, thirteen acres land, all in good condition. Box 60, Phillipsburg, N. J.

**TO RENT**—Desirable greenhouses and florist's business; established over 25 years; first-class trade, and everything in order for favorable business. Full particulars, with reasons for renting, furnished on inquiry. Address H. M. FORBES, Meriden, Conn.

**FOR RENT**—Large commercial greenhouses, suitable for growing carnations, violets and all kinds of plants; a good location in the center of town on the railroad, near Phila.; a large trade for vegetable plants in season. Address POST OFFICE BOX No. 37, Oxford, Pa.

**FOR SALE OR LEASE**—On account of ill health, an old establish place of two acres and 25,000 square feet of glass, near large city. Annual sales of \$7,000 to \$10,000. With or without large frame dwelling. Full particulars given. Address PLANTSMAN, care American Florist.

**FOR SALE**—Price \$80.00. A tubular boiler, new last fall; heated two houses 15x100; will heat four such houses. It is sound in every respect, and cheap at \$150. I will take in part payment greenhouse stock, ferns, palms, rubbers, or sash. A bargain for someone. Address WALTER BUTLER, Readyville, Mass.

**FOR SALE OR LEASE**. Three greenhouses 20x30, one greenhouse 10x30, new Boynton hot water boiler, 2-inch wrought pipe; houses well stocked and in good repair; fine town, 10,000 people; business good. Address J. W. TALBOT, Nevada, Mo.

**FOR SALE**. Splendid opening for an energetic young man. Only greenhouse within five miles; rich suburban locality. will be sold on easy terms, 1 1/4 acres with 20x30 greenhouse. New Florida steam heater, with heating capacity for 350 more feet of glass. Thirty miles from New York, on Central and Lehigh Valley railroads. Sold because of ill health. Address J. E. HILLPOT, Bound Brook, N. J.

#### For Rent or Sale,

A 10-acre tract of land, 9 miles from city on good Rock Road, with 3 100-ft. Greenhouses, heated by steam, plenty water, steam pumps, large boiler, tank house, boiler house, large barn; best locality for nursery. Apply

F. HAUSPERGER, 5368 Bartmer Ave., ST. LOUIS, MO.

#### PALMS SELL ALL THE YEAR.

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 1/4 & 5-inch \$3.50, 20 for \$8; 6 1/2-in. for \$5. All good selected varietal. Special sale: Choice Ferns, \$1.00 & \$1.50. Roses, our choice, select, \$2.50. Send for lists. Williams & Sons Co., Batavia, Ill., Labels & Moss, etc.

#### The Annual Meeting

—OF THE—

#### Florists' Hail Association

will be held at the Alvin Theatre, Pittsburg, on Wednesday afternoon, Aug. 21st, 1895.

The headquarters of the Secretary while at Pittsburg will be at the Alvin Theatre, where information concerning Hail Insurance will be cheerfully given.

JOHN G. ESLER, Sec'y.

#### NOTICE.

Our business will be carried on without any interruption. All orders entrusted to us will be attended to as usual. Our stock is in the best of condition, and we can guarantee satisfaction.

We also express our thanks to our brother florists who send us numerous letters of sympathy, and even offered substantial help. Very Respectfully,

NANZ & NEUNER, Louisville, Ky.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

# LAST CALL

FOR ADVS.

FOR OUR

## Convention Number.

Copy must be received at Chicago by

**AUG. 14 AT THE LATEST**

to be in time. You will miss it if you are not represented in this GREAT number.

AMERICAN FLORIST CO.

P. O. Drawer 164,

CHICAGO.

**THE AMERICAN FLORIST**

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure  
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Rochester, N. Y.

A succession of refreshing rains has improved outdoor stock wonderfully, especially the carnations show a marked improvement. Assisted by the cool nights they have made a fine growth in the past two weeks, and we may have good plants yet by the time they ought to be taken in the houses. Everything looks growing again, the lawns, which in many parts had suffered so badly, are now smooth and green, the wilted foliage of shrubs and herbaceous plants is fresh and healthy once more, and there is every prospect for a fine show of late summer and fall-blooming plants.

As to the cut flower trade here, very little can be expected at this season, and an occasional funeral order is eagerly and gladly taken up by the retailer at almost any price. Certainly the show windows have to be kept up and replenished every morning, trade or no trade, but most of the stuff goes to the ash barrel the next day. Out door flowers are plenty, gladiolus, sweet peas of all shades and colors, tuberose, asters; dahlias and helianthus with some Liliun speciosum are low priced and furnished the bulk of the window decorations.

Mr. W. C. Barry, member of the firm of Ellwanger & Barry, will leave Monday with his family for a two months outing in the Catskill mountains.

The extensive addition to Salter Bros' plant in Fairport is now nearing completion, and they have all ready sent out a preliminary invitation to the boys far and near, to get ready for an inspection of their Fairport place, promising them a good time in general.

J. M. Keller and wife are back again from their Michigan fishing trip and look hardy and sunburned.

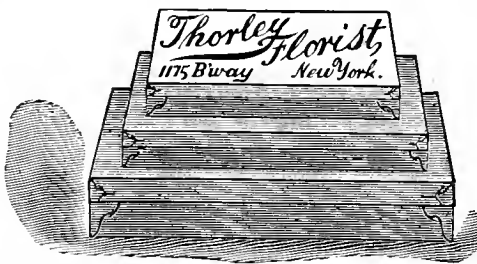
Visitors in town the past week were Mr. W. Mott and also Mr. J. D. Eisele, both connected with the Philadelphia firm of Henry A. Dreer. J. B. K.

Binghamton, N. Y.

Mrs. M. L. Barnes is sojourning in the mountains, enjoying a well earned rest. Mrs. Barnes has added a new carnation house to her plant.

Mr. Myron H. Mills, the veteran Binghamton florist, and Mr. A. E. Fancher are out of town, both enjoying their vacations.

Messrs. L. D. Hopkins & Son of Cortland, N. Y., contemplate building two large greenhouses on East Main street, adjoining their store, with a view to growing miscellaneous stock. They will also retain their old planton Groton avenue, and will branch out in the vegetable plant line in addition to their flower business. This firm seems to be enjoying an excellent trade. X.



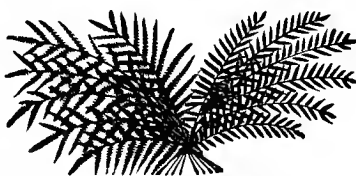
The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**NEW YORK SALESROOM:  
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

When writing mention the American Florist.

**Hardy Cut Ferns,  
BOUQUET GREEN,**Laurel and Green Festooning, Wreaths, Etc.  
SPHAGNUM MOSS IN ANY QUANTITY.**H. E. HARTFORD, 18 Chapman Place, BOSTON.****Wire Work.**

work and style. Send for Catalogue.

Harrisii Bulbs now ready.

ALL FLORISTS' SUPPLIES.

**ELLIS & POLLWORTH, Box 75, Milwaukee, Wis.**

**AUG. 14  
IS THE  
VERY LATEST  
DATE AT  
WHICH WE  
CAN RECEIVE  
ADVS. FOR THE  
CONVENTION  
NUMBER  
TO BE ISSUED  
NEXT WEEK.**

**W. ELLISON,  
WHOLESALE  
Cut Flowers & Florists' Supplies**  
WIRE DESIGNS.  
1402 PINE STREET,  
St. Louis, Mo.  
Mention American Florist.

**C. A. KUEHN,  
(Successor to ELLISON & KUEHN.)  
Wholesale Florist,  
1122 PINE STREET,  
ST. LOUIS, MO.  
A complete line of Wire Designs.**

**SMILAX,  
3-inch pots . . . \$3.00 and \$3.50 per 100  
PAEONIES, a fine asst.  
Crimson, white, pink, etc. . . \$9.00 per 100  
McCREA & COLE, Battle Creek, Mich.**

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.**THE NEW YORK  
CUT FLOWER CO.**

The above company, composed of the leading growers in the vicinity of New York, are now prepared to arrange for selling Cut Flowers of every class on the co-operative plan, and invite all growers to join us; guaranteeing them the best prices obtainable according to the market rates, and full returns for the same weekly.

**OUR MOTTO: Fair Dealings, Open Books  
and Prompt Payments.****PROFITS DIVIDED PRO-RATA.**

<b>ERNST ASMUS,</b> President.	Ernst Asmus, Eugene Dalliedouze, Geo. W. Hillman, Jr., John N. May,	Directors.
<b>JOHN N. MAY,</b> Vice-Prest.	Frank McMahon, Louis M. Noe, S. C. Nash,	
<b>PAUL M. PIERSON,</b> Sec'y & Treas.	Paul M. Pierson, Geo. Saltford, John W. Taylor, C. W. Ward,	

Mention American Florist

**WISCONSIN FLOWER EXCHANGE,  
CUT FLOWERS, PALMS AND FERNS**FRESH CYCAS LEAVES 75 cts.  
ASPARAGUS PLUMOSUS 40 cts.  
SPECIOSUM LILIES, 3 cts.**TRY OUR LIQUID PUTTY.**

Box 87, MILWAUKEE, WIS.

**H. L. SUNDERBRUCH,  
Wholesale Florist  
4TH AND WALNUT STREETS,  
Cincinnati, O.**

**SAMUEL S. PENNOCK,  
Wholesale Florist  
REAR OF 42 S. 16th STREET,  
Philadelphia, Pa.**

**E. H. HUNT,**  
**WHOLESALE FLORIST**  
68 Lake Street, CHICAGO.  
**WHOLESALE CUT FLOWERS.**  
**SEEDS, BULBS AND ALL**  
**FLORISTS' SUPPLIES.**

During July and August our store will not be open after 6 p. m.

**KENNICOTT BROS. CO.**  
**WHOLESALE CUT FLOWERS,**  
and **FLORISTS' SUPPLIES.**  
84 & 86 RANDOLPH STREET,  
CHICAGO.

**T. J. CORBREY,**  
**Wholesale Commission Florist,**  
59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

We are now prepared to furnish Florists' Wire Designs and a full line of Florists' Supplies.

WRITE US FOR OUR ILLUSTRATED CATALOGUE.

**Bassett & Washburn,**  
Successors to J. B. DEAMUD & CO.  
**CROWERS and**  
**WHOLESALE CUT FLOWERS,**  
DEALERS in  
34 & 36 Randolph Street,  
CHICAGO.  
Corner Wabash Ave.  
HEADQUARTERS FOR AMERICAN BEAUTIES.

**A. L. RANDALL,**  
**Wholesale Florist,**  
126 Dearborn St., CHICAGO.  
Agent for finest grades Waxed and Tissue Papers.

**Reinberg Bros.**  
**WHOLESALE CUT FLOWERS,**  
51 WABASH AVENUE,  
CHICAGO.  
Telephone Main 4937.  
Our Roses best them all, in quality.  
Headquarters for fine American Beauties.

**W. E. LYNCH,**  
**WHOLESALE CUT FLOWERS,**  
Wire Designs a Specialty.  
59 WABASH AVENUE,  
CHICAGO.

**ROGERS PARK FLORAL CO.,**  
Wholesale Growers of  
**CUT FLOWERS,**  
41 WABASH AVENUE,  
CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

**Asparagus Plumosus Nanus.**  
Cut Strings, 8 to 10 feet long,  
50 CENTS.  
W. H. ELLIOTT, Brighton, Mass.

**Wholesale Markets.**

Cut Flowers.		NEW YORK.	Aug. 6.
Roses, general list.	per 1000.	5.00@10.00	1.00@ 3.00
" Beauty extra	ordloary	5.00@20.00	1.00@ 5.00
Carnations, ordinary.	extra	10@ .35	10@ .50
Valley.		2.00@ 4.00	
Sweet peas, per 100 bunches.		50	
Auratum lilles.		3.00@ 6.00	
Asters.		.20@ .25	
Gladiolus.		.50@ 2.00	
Smilax.		10.00@15.00	
Adiantum.		.75@ 1.00	
Asparagus.		50.00	
		BOSTON.	Aug. 6.
Roses, general list.		1.00@ 4.00	
" Beauty.		5.00@25.00	
Carnations.		.25@ .50	
" extra.		.75@ 1.50	
Asters.		.15@ .25	
Sweet peas.		2.00@ 4.00	
Lilies, white Japao.		.10@ .15	
Gladiolus.		1.00@ 2.00	
Adiantum.		.75@ 1.00	
Smilax.		12.00@15.00	
Asparagus.		50.00	
		PHILADELPHIA.	Aug. 6.
Roses.		1.00@ 4.00	
" Beauties.		15.00	
Carnations.		.25@ 1.00	
" short outdoor white.		.50	
Asparagus.		35.00@50.00	
Valley.		15@ 3.00	
Cattleyas.		25.00@35.00	
Sweet peas.		15.00@25.00	
Smilax.		15.00@25.00	
		CHICAGO.	Aug. 9.
Roses. Beauties long.		15.00	
" short medium.		6.00@ 8.00	
" Large tea.		2.00	
" select.		3.00	
Carnations.		.50@ 1.00	
Gladiolus.		3.00	
Asters.		.35@ .50	
Coreopsis.		.15	
Sweet peas.		.10	
Smilax.		8.00@10.00	

**GEORGE A. SUTHERLAND,**  
Successor to PECK & SUTHERLAND.  
Successors to WM. J. STEWART.  
**Cut Flowers and Florists' Supplies**  
**WHOLESALE.**  
67 Bromfield St., BOSTON, MASS.  
New England Agent for the GREAT ANTIPEST.

**WHOLESALE**  
**FLORISTS**  
JOEBERS IN  
FLORISTS'  
SUPPLIES,  
FLORISTS'  
VASES.  
METS,  
BRIDES,  
GONTIERS,  
CARNATIONS,  
ALWAYS ON HAND.  
84 Hawley Street,  
BOSTON, MASS.  
HORTICULTURAL AUCTIONEERS.

**WELCH BROS.,**  
**Wholesale Florists,**  
NO. 2 BEACON STREET,  
Near Tremont St., BOSTON, MASS.

**The Boston Flower Market**  
is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of sale. TERMS STRICTLY CASH.  
Address **GEORGE CARTWRIGHT, Mgr.,**  
Flower Market, Park St., BOSTON, MASS.  
Long Distance Telephone "Haymarket 68."

AUGUST 14 is the very latest at which we can receive advs for the convention number and assure insertion.

LAST CALL for advs. for our convention number. Copy must reach us by the 14th inst. to be in time.

**John I. Raynor,**  
49 WEST 28th STREET,  
**NEW YORK.**

**SPECIALTIES FOR SUMMER SHIPPING:**

AM. BEAUTY,  
METEOR,  
VICTORIA,  
TESTOUT.  
SWEET PEAS. EXTRA SPECIAL.

**THOS. YOUNG, Jr.**  
**Cut Flowers,**  
**WHOLESALE,**  
43 W. 28th Street, NEW YORK.

**WALTER F. SHERIDAN,**  
• **WHOLESALE** •  
**FLORIST**  
32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application.

**Edward C. Horan,**  
34 W. 29th Street, NEW YORK.  
**WHOLESALE • FLORIST.**

Careful Shipping to all parts of the country.  
Price list on application.

**JAMES PURDY,**  
WHOLESALE DEALER IN  
**CUT • FLOWERS,**  
57 W. 30th St., NEW YORK.

**JOHN YOUNG,**  
**FINE ROSES**  
**WHOLESALE,**  
51 West 28th St., NEW YORK.

**THEO. ROEHRS,**  
**WHOLESALE**  
**FLORIST**  
111 WEST 30TH STREET,  
Established 1879. NEW YORK CITY.

**JULIUS LANG,**  
(Formerly with THEO. ROEHRS.)  
Commission Dealer in **Cut Flowers,**  
**WHOLESALE,**  
53 West 30th St., NEW YORK CITY.

**Last Call for Advs.**  
**FOR OUR**  
**Convention Number**  
Copy must be **Received** by **Aug 14**  
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Chinese primroses of the finest strains in cultivation. Flowers large fringed, brilliant colors, twelve sorts. Plants stocky; thrifty, early blooming, ready for three inch pots.

Price for the single flowering,	per hundred,	\$ 2.50
" " "	" " thousand,	20.00
" " double "	" " hundred,	5.00

Address order and remittance (or may be sent C. O. D.)  
**HENRY S. RUPP & SONS, Shiremanstown, Pa.**

# Dreer's Invitation to the Delegates

— OF THE —

## SOCIETY OF AMERICAN FLORISTS.

Florists visiting the Convention to be held in Pittsburg, August 20 to 23, 1895, will find our

### Exhibition of Decorative Plants,

Such as Palms, Ferns, Araucarias, etc., to be the most complete and comprehensive display of the kinds and sizes that we grow in quantity. There will also be an exhibit of Seasonable Bulbs.

Our representatives, Messrs. Walter Mott and Geo. A. Strohleim, will be in attendance, and pleased to show stocks, furnish prices and give any information desired.

Delegates passing through Philadelphia or New York en route to Pittsburg will find it to their advantage and interest to call at our Nursery in Riverton, New Jersey, and personally inspect stocks that are admitted to be the best in the country. We are adding 52,000 square feet of glass to four acres already under cover, and we can give you an object lesson to prove home grown plants sold at moderate rates are what the people want. Time cards and information how to stop over cheerfully mailed.

**HENRY A. DREER, 714 Chestnut St., Philadelphia.**

## ONION SEED

... OUR SPECIALTY.

Grown from selected Onions and the purest stock in the United States.

1895 CROP 1895.

YELLOW GLOBE DANVERS,  
YELLOW FLAT DANVERS,  
EXTRA EARLY RED,  
WETHERFIELD,  
WHITE PORTUGAL,  
WHITE GLOBE.

Write for  
Prices.

**GOX PLANT AND SEED CO.**  
SAN FRANCISCO, CAL.

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Fruit Tree Stocks, Ornamental Trees,  
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**P. SEBIRE & SONS,**

USSY, (Calvados), FRANCE,

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Agents,

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P. O. Box 920, NEW YORK.  
Mention American Florist.

## New Double Petunias

We will have 20,000 of the  
finest double fringed Petunias  
you ever saw, about 1st of  
October.

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Lock Box 77,

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Dealer in J. M. THORBURN & CO.'S

**HIGH CLASS SEEDS AND BULBS.**

Florists and Gardeners trade a Specialty.

25 years' experience. 7 sorts Cyclamen Seeds. The  
best strain in the world. Send for prices.

METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

## California Grown GALLAS.

Carefully cured, with  
sound centershoots, now  
ready for shipment from  
our New York or Chicago  
stores.

SIZES and PRICE:  
1½ to 1¾-inch, \$5.50 per 100.  
1¾ to 1½-inch, \$6.50 per 100.  
2 to 2¼-inch, \$8.50 per 100.

## FREESIAS.

Largest stock, lowest prices.

1st Size, Select, Mammoth,  
\$3.50 \$5.00 \$7.50

PER 1000.  
Special rates on larger lots.

## VAUGHAN'S SEED STORE,

NEW YORK,  
26 Barclay St.

CHICAGO,  
84 & 86 Randolph St.

WE ARE HEADQUARTERS ON  
BULBS FOR FORCING,  
FLOWER SEEDS FOR FLORISTS  
ENGLISH MUSHROOM SPAWN.

Special prices on application.

JOHN GARDINER & CO., Seedsmen,  
631 Market St., Philadelphia, Pa.

## BULBS

FOR FALL DELIVERY.

For Catalogues address

**C. H. JOOSTEN, Importer,**

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## WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus

AND

**LILIUM HARRISII.**

Special low prices on application.

**WEEBER & DON,**

Seed Merchants and Growers.

114 Chambers St., NEW YORK CITY.

## LILIUM HARRISII.

Original and largest growers of this important bulb

OUR SPECIALTY.

True Stock. Lowest Prices. Best Quality.

**F. R. PIERSON CO.,**  
TARRYTOWN-ON-HUDSON, NEW YORK.

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FOR ADVS.  
FOR OUR

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VERY LATEST.

## FINEST OF BULBS.

IN ANY QUANTITY TO SUIT.

LILIUM HARRISII now on hand in all sizes.

Regular Illustrated Catalogue will be mailed  
free to all applicants to

HULSEBOSCH BROTHERS, Englewood, N. J.



**H. H. BERGER & CO.**

(Established 1878) SAN FRANCISCO, CAL.

NEW PRICE LIST. Send for it.

Headquarters for  
FREESIA REFRACTA ALBA,  
LIL. LONGIFLORUM,  
AURATUMS, and all other Japan Lilies.  
ESPECIALLY LOW PRICES FOR EARLY ORDERS.

**W. A. MANDA,**

MERCHANT, GROWER, IMPORTER & EXPORTER OF

**FLORISTS'**

Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.

The Universal  
Horticultural Establishment, SOUTH ORANGE, N. J.

## Calla Bulbs.

1½ to 1¾ inches in diameter, \$4.00  
per 100; \$35.00 per 1000.

Address CALIFORNIA NURSERY CO.

NILES, CAL.

## 25,000 SMILAX PLANTS

from 2½-inch pots, strong and healthy,  
\$2.50 per 100; \$20.00 per 1000.

TERMS STRICTLY CASH. Sample orders 10 cents.

**FRED. SCHNEIDER, Mgr.**

CLEVELAND FLORAL CO.,

751 Crawford Street, CLEVELAND, O.



Cleveland.

Mr. and Mrs. Gasser and family left July 30 for Europe to be gone ten weeks or more.

Asters this year out of doors seem to have an unusually hard row to hoe. The dry weather has affected them as unfavorably as it has all other out-door stock, and now, after the late showers, the ground is becoming as dry as before, just as the asters are beginning to come into bloom. Naturally they will be deficient both in quantity and quality. In addition to this, the black "aster bug" as it is locally known among those unfortunate enough to have an intimate acquaintance with the insect, is making an appearance in greater number than usual. He is perhaps three-quarters of an inch in length, rather slender, with a small head that seems to have an uncommonly flexible "neck." He is decidedly shy and infallibly detects the approach of any one at a distance of several feet, for immediately upon the slightest disturbance in his vicinity he tumbles from the flower he is operating upon and scurries away. Like nearly all these insect pests he is most active and troublesome during dry, hot weather—in face, if it be rainy and cold he remains utterly invisible. What makes him particularly aggravating and obnoxious is the fact that he never begins operations until the flower is partly open. You can't, under these circumstances, compass his destruction by means of poison unless you want to have the coroner sitting in solemn court upon some of your customers. Or, if you don't care for a little thing like that, there is the other difficulty—the disfiguring of the flowers—to contend with. Hand picking seems the only other plan; to chase the agile and hungry bug may be as exciting as bear hunting with the element of personal risk entirely eliminated—but it is too slow by reason of the fact that his bugship flits from flower to flower like a honey bee, leaving a distinct trail of irretrievably damaged flowers behind. One peculiar fact about him is that, about Cleveland at least, he is extremely local in his habits, some florists never having been troubled, while others have at times lost from a quarter to half a crop. There is, however, a distinct widening of his field of operations from year to year, though he never eats anything but asters. When they are done, he disappears.

Harry A. Bunyard & Co. will build two houses this summer. One is to be 100x28, for carnations; the other will cover 100x10, for violets. The two will make quite a substantial addition to the establishment.

Business continues to show the usual midsummer dullness. Save for one or two funerals where flowers were extensively used, there is nothing to vary the monotonous slackness of midsummer. A.

**TO BE SOLD AT ONCE**  
**5000 SELAGINELLA EMILIANA,**  
 2-inch pots, ready for use or shift. Best plant for fern dishes, \$3 per 100; \$20 per 1000.  
**SIEBRECHT & WADLEY,**  
 Mention Am. Florist. New Rochelle, N. Y.

**SMILAX**, fine, 2 1/4-inch.....\$1.50 per 100  
**GREVILLEA ROBUSTA**, 2-inch 4.00 per 100  
 Or will exchange for Calla or Freesia Bulbs.  
**DAVIS & BAIRD, Dixon, Ill.**

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

## RISLEY FLATS SMILAX PLANTS.

The peculiar character of the soil in Risley Flats is such that Seedling Smilax Plants of this year make a surprisingly large, vigorous and healthy growth, from which full strings can be grown in **60 days** from planting in.

**READY SEPTEMBER 1st.** Send for priced circular, etc. to

**DAN'L B. LONG, Wholesale Florist,**  
**BUFFALO, N. Y.**

**PALM SEEDS**  
 Just Arrived in Best Condition.  
**OREODORXA REGIA**, starting to germinate. . . . . \$ .60 1000 \$4.00  
**PHOENIX CANARIENSIS** . . . . . .50 300  
**TENUIS** . . . . . .60 400  
**BRAHEA FILIFERA**, syn. Pritchardia filamentosa, \$1.00 per lb.; \$7.50 per 10 lbs.  
**Chas. Schwake, 404 E. 34th St., New York.**  
 We are now booking orders for all kinds of Palm Seeds. Send your list and we will quote you prices.

## Cheap Palms.

To make room for young stock, I offer the following:

	In. pots.	In. high.	Per 100
500 <b>LATANIA BORBONICA</b> . . . . .	4	15 to 18	\$12.00
200 " " . . . . .	5	20 to 22	20.00
100 " " . . . . .	6	24 to 28	35.00

These plants have one to two good perfect leaves and two to three more or less imperfect leaves, but have good strong healthy roots. Any person that can give them room for a short time, can many times double his money. All are ready to pot up.

Orders must be accompanied by the cash. For first-class stock cheap, see wholesale list. Send for it.

**W. J. HESSER, Plattsmouth, Neb.**

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**  
**1708 N. Halsted St., CHICAGO.**

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## Mignonette . . . Seed.

Having a limited quantity this year to spare of

**GEO. E. BENNETT'S**  
**IMPROVED ELOISE FRANCIS,**  
 I offer it to the trade at \$1.50 per hundred seeds, to be delivered on and after July 15th, 1895. All fresh and good seed. Cash with all orders. No agents. Address

**GEORGE E. BENNETT,**

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Mr. George Bennett—  
 DEAR SIR:—It affords me great pleasure to endorse your Mignonette as the best I have seen; the pinch of seed given me last year surpassed any I have grown, and I say as a money maker it has no equal. Book my order for 12 packages. Yours truly,  
 ALEX. S. BURNS, Woodside, L. I.

## Strong Plants Cheap

	Per 100
<b>Begonia Metallica</b> , 4-inch.....	\$6.00
" <b>Rex</b> , varieties, 2 1/2-inch.....	4.00
<b>Cyperus Alternifolius</b> , 3-inch.....	5.00
<b>Abutilon "Eclipse"</b> , 3-inch.....	5.00
<b>Asparagus Plumosus</b> , 4-inch.....	8.00
<b>Swainsona galegifolia alba</b> , 3 inch.....	4.00
<b>Violets, Marie Louise</b> , strong.....	2.00

**E. M. & H. N. HOFFMAN,**  
**Elmira, N. Y.**

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FOR OUR

## CONVENTION NUMBER.

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ARAUCARIA EXCELSA.

# Araucaria Excelsa.

Our present stock of these beautiful decorative plants has never been so large and in perfect specimens. Ready for immediate shipment.

## ARAUCARIA EXCELSA.

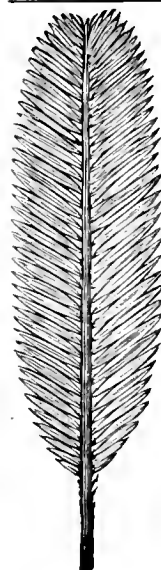
	EACH.
4 inch pot plants, 6 to 8 inches high, light, but fine stock to grow on for winter sales.	\$ .60
6 " " 15 to 18 inches high, 4 tiers, very fine.	1.50
6 " " 20 to 24 " " " "	1.75
7 " " 28 to 30 " " " "	3.00
9 " " 30 inches high, 5 tiers, the finest plants we have ever offered, broad, heavy foliage, perfect shape.	5.00
9 inch pot plants, 48 to 54 inches high, 7-8 tiers, fine plants.	7.50

## ARAUCARIA EXCELSA GLAUCA.

	EACH.
5-inch pot plants, 2-3 tiers, 7-8 inches high.	1.00
6 " " 3 " 14-16 " " " "	2.50
8 " " 5 " 24 " " a beautiful lot of plants.	5.00
8 " " 5 to 6 tiers, 30 to 36 inches high.	\$6 to 7.50
All a beautiful lot of plants, and very salable.	

Our stock of Decorative Plants, such as Palms and Ferns is now in the best possible condition for sale or growing on. All correctly described in Dreer's Wholesale Price List, mailed to all in the trade.

**HENRY A. DREER,**  
714 Chestnut St., PHILADELPHIA.



## Cycas Leaves.

OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

40c, 45c, 50c, 60c,  
75c and \$1 each.

Address

**August Rölker & Sons,**  
Florists' Seeds, Bulbs & Supplies  
136 & 138 W. 24th St.,  
P. O. Station E. New York.

**H. BAYERSDORFER & CO.,**  
WHOLESALE  
FLORISTS' SUPPLIES ONLY,  
58 N. 4th Street,  
PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

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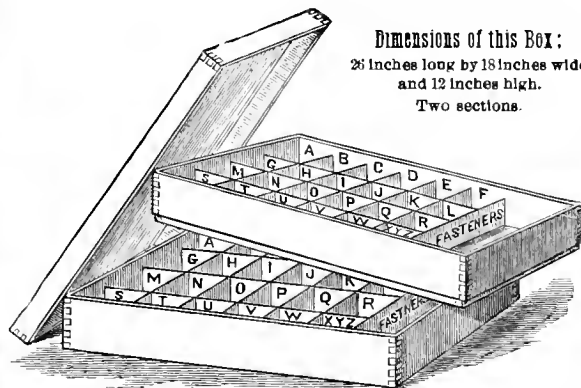
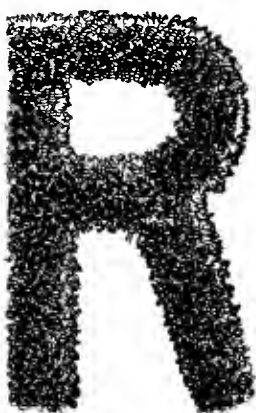
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**John Conley & Son,**  
Manufacturers of  
**TIN FOIL**  
2 AND 4 DOMINICK STREET,  
New York.

Always mention the American Florist when writing to advertisers.



Dimensions of this Box:  
26 inches long by 18 inches wide  
and 12 inches high.  
Two sections.

This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

## BOSTON FLORIST LETTER CO.

Manufacture THE BEST LETTERS IN THE MARKET.

Sizes 1½-in. and 2-in. 2.00 per 100. Patent fastener with each letter.

OUR NEW SCRIPT LETTER, \$4.00 per 100.

**N. F. McCARTHY,** Address 13 Green St.,  
Treas. & Mgr. Boston, Mass.

Address all correspondence to 1 Music Hall Place.

We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers in Boston.

Mention American Florist.

## Fenster Pappe.

Best substitute for glass, largely used by European FLORISTS, NURSERYMEN and MARKET GARDENERS. Directions with each roll. Trial rolls of 8 yards for \$1.00. Original rolls of 110 yards for \$10.00 net cash.

**August Rölker & Sons, New York.**  
P. O. Station E.

## SMILAX.

2½-in. pots, strong thrifty plants, \$2.50 per hundred; \$20.00 per thousand.

F. A. BALLER, Bloomington, Ill.

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D. B. Long, Buffalo, New York.  
Hunting Seed Co., Indianapolis, Ind.  
Portland Seed Co., 171 2d St., Portland, Ore.  
Geo. A. Sutherland, 67 Bromfield St., Boston.  
Welch Bros., No. 1A Beacon St., Boston.  
N. F. McCarthy & Co., 84 Hawley Street, Boston.  
The Henry Philipps Seed and Implement Co., Toledo, O.  
Walter A. Potter & Co., Providence, R. I.  
J. C. Vaughan, 26 Barclay St., New York.  
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LAST CALL FOR ADVS.

FOR OUR  
**Convention  
Number.**

Copy must be Received by Aug. 14 at the very latest.

Scranton, Pa.

There are many improvements going on at present in many localities of the Pennsylvania coal and iron regions. New greenhouses are being built, old ones torn down and rebuilt, new boilers, steam pipe put in, etc. G. R. Clark & Co. of Scranton, Pa., are erecting four carnation houses of 20x100. These of course will be equipped with the best and latest modern appliances, and none but the best stock obtainable will be grown. A stroll through their eight houses of chrysanthemums impressed me that the plants were doing remarkably well, the stock looking clean, healthy and well grown. "With a stock like this," remarked Mr. Clark to me, "we shall be able to hold our own this year, and what is more, we intend giving our people a chrysanthemum show the like of which has never been attempted in this town before." Prothingham's Theatre, one of the finest places of the kind in the state, has been engaged for that purpose, and from November 6 to November 12 inclusive the doors will be thrown open to the public to view one of the finest flower shows that was ever attempted by an individual florist concern. There will be some special features introduced in connection with the flower show, chief of which, it may be mentioned, will be fine music. To give some idea of the magnitude of the enterprise, I need but mention that the space allotted to the display of plants and flowers comprises the stage proper and a part of the floor, raised by an ingenious contrivance to the level of the stage, making a space of 66x90.

In addition to their present store, Messrs. Clark & Co. will soon have a conservatory, stocked with decorative palms and plants, upon the tenth story of the Mears Building, an imposing granite structure now in course of erection on the corner of Spruce and Washington streets.

X.

**CORRECTION.**—In the first answer to heating questions, on the front page of our last issue, the word "where" should be substituted for "above" in the fourth line in the answer, so that it will read: "In large runs of pipes or *where* the boiler is situated some distance from its work."

## MAY'S Mammoth Mignonette.

Fine new seed of my unrivalled strain, just harvested; \$3.00 per ounce, 25 cts. per pkt. This is the most popular Mignonette on the market.

## NEW ROSE MRS. PIERPONT MORGAN.

The finest rose introduced since "The Bride." To give all a chance of testing the value of this grand Novelty I have prepared a nice lot of extra strong 3-in. plants at \$7.50 per doz.

JOHN N. MAY, Summit, N. J.

## A Color Chart FOR FLORISTS.

**140 Colors Named.**  
Bound in very substantial manner.

This Chart, just issued for Printers' use, will be found especially useful for Florists. Publishers price \$2.00. Our Price \$1.25, postpaid.

A. BLANC,

314 &amp; 316 N. 11th Street,

PHILADELPHIA.

# EXTRA FINE ROSES.

Grown especially for late planting.

## SUPERB STOCK OF

5000 Meteor, the most profitable red.

4000 Bride, still the finest white.

5000 Bridesmaid, the incomparable pink.

Kaiserin Augusta Victoria, Sunset.

THESE ARE EXCEPTIONALLY FINE HEALTHY STOCK. WRITE FOR SAMPLES AND LOW PRICES.

FINE STOCK  
PALMS,  
FICUS, ETC.

ROBERT CRAIG,

49th and Market St., PHILADELPHIA.

## BELLE SIEBRECHT.

YES, WE ARE shipping some yet every day. PROGRESSIVE Florists can't do without it.

STOCK NOW  
LIMITED.

SIEBRECHT &amp; WADLEY,

Rose Hill Nurseries,

New York Office, 409 5th Ave.

NEW ROCHELLE, N. Y.

## 10,000 FIRST QUALITY FORCING ROSES.

READY FOR  
IMMEDIATE  
PLANTING.

Fully equal to those sent out the last three years, and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

SOUVENIR DE WOOTTON,  
SAFRANO,METEOR,  
MME. HOSTE,KAISERIN A. V.  
BON SILENE,

3-inch pots, \$7.00 per 100. 4-inch pots, \$10.00 per 100.

J. L. DILLON, Bloomsburg, Pa.  
Mention American Florist.BEAUTIES, MERMETS, CUSINS,  
PERLES, BRIDESMAIDS, BRIDES,  
WOOTTON, WATTEVILLES AND  
Plants, 2, 3, 4-inch pots.

## ROSES

BELLES, TESTOUTS, NIPHETOS,  
METEOR, HOSTE, LA FRANCE,  
AUGUSTA VICTORIA. Cash with order. SMILAX. Address for prices

VILLA LORRAINE ROSERIES,

T. W. STEMLER, MADISON, N. J.

## ROSE MME. GUSIN, PLANTS

in 2½ and 3½-inch, at

SUNNYWOODS GREENHOUSES.

FRANK L. MOORE,

CHATHAM, NEW JERSEY.

Pitcher &amp; Manda, Inc.

LOW PRICES.

PALMS, FERNS and ORCHIDS

Specialties.

SHORT HILLS, NEW JERSEY.

## Imantophyllums.

Per Doz.

Blooming plants..... \$6.00

ASPIDISTRA LUR. VAR..... 2.00

CHRYSANTHEMUMS.....\$3.00 per 100

MISS IDA NEWELL, Delaware, O.



HEADQUARTERS FOR

PANSY SEED

Superb World's Fair  
Prize Varieties. A  
Grand Mixture of un-  
limited sorts. Trade packets.  
25c each. Send for List.

H. W. BUCKBEE,

Rockford  
Seed Farms.

Rockford, Ill.

## American Beauty,

Prime stock, 4-inch.

Also Bridesmaid, Bride, Meteor,  
La France, Testout, Kais-  
erin, Perle, Sunset.

A. S. Mac BEAN, Lakewood, New Jersey.

Mention American Florist.

## Roses

From 2½-inch pots.

Per 100 Per 1000

Bride. Mermet. White La France. \$3.00 \$25.00

Watteville. . . . . 3.00 27.50

Maman Coche', Bridesmaid. . . . 4.00 35.00

THE NATIONAL PLANT CO.

DAYTON, O.

When writing mention the AMERICAN FLORIST

## E. G. HILL & CO.,

## Wholesale Florists

RICHMOND, INDIANA.

Mention American Florist.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns



# PANSIES.

The Best from many growers,  
not the selection of one grower only.

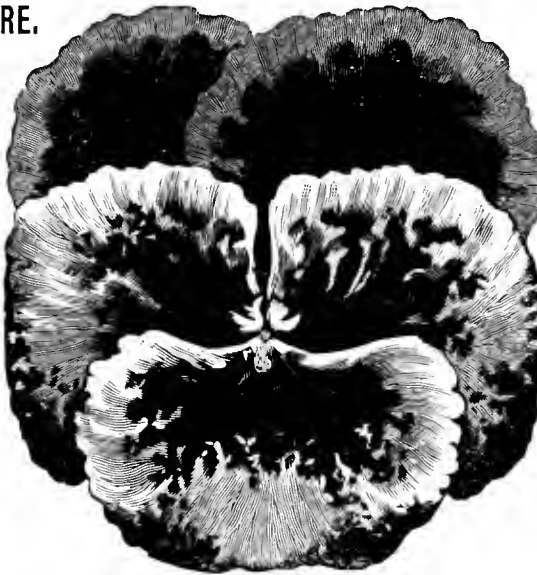
## INTERNATIONAL MIXTURE.

This mixture has been made up and sold by us for the past five years from the best strains known in Europe and America. We have in our files testimonials from leading florists in almost all the leading cities in the U. S. saying in effect "the best we ever had." Now if you would like to be convinced of this, drop us a line and we will send you the names of good men near you who will certify that VAUGHAN'S INTERNATIONAL MIXTURE has proven with them to be the best, most complete all round high class Pansy Mixture they have ever grown. Our four page price list of these and other seeds, mailed on request. The new crop seed is now arriving and can be sent at once, but after July 20th or August 1st our assortment of strictly NEW CROP SEED will be most complete. Trade pkt. 50c; 1/2 oz. \$1.50; oz. \$3.00.

**CINERARIA.** Columbian, mixed, pkt. 1000 seeds, 50c.

**CYCLAMEN.** Giant varieties, 60 seeds, 50c.

**PRIMULA.** Vaughan's International, per pkt. 250 seeds, 50c; 1000 seeds, \$1.25; 1-16 oz. \$2.00.



## VAUGHAN'S SEED STORE,

New York:

26 Barclay Street.

CHICAGO:

84 and 86 Randolph Street.

## GIANT MIXTURE.

For those who desire the largest flowers only, and are willing to accept a somewhat less variety in the way of coloring, our GIANT MIXTURE has been especially put up. It contains only the largest flowers and during the last two years we have greatly increased the number of sorts. See list below. Price for Giant Pansy Mixture, trade pkt. 50c; 1/4 oz. \$1.50; 1 oz. \$5.00.

	Trade pkt. Oz.	
Giant Trimardeau, white, large white with a violet center.....	.25	\$5.00
Giant Beaconfield.....	.25	5.00
Giant Trimardeau Improved, this strain contains all the new colors of Trimardeau.....	.25	3 50
Giant Cassier, a very choice variety of colors, each flower is marked with 3 or 5 blotches.....	.25	5.00
Giant Bugnot, the flowers are of enormous size, perfectly round, of great substance and the most varied and attractive markings and colors. Our "Bugnot" contains shades of red, bronze and reddish brown that are not to be found in any other mixture.....	.25	6.00
Giant Auricula Colors, very beautiful shadings.....	.25	\$
Giant Violet Blue.....	.25	
Giant Yellow, Five Spotted, new.....	.25	
Giant Helensia Red, new, same shade as a Hydrangea.....	.50	
Giant Emperor William.....	.25	*5.00
Giant Trimardeau, mixed.....	.10	2.00
Giant Striped, flowers enormous size.....	.25	
Giant Trimardeau, Yellow, very showy color, good seller.....	.25	5 00
Giant Trimardeau, Purple, very large.....	.25	3.00
Giant Coal Black, of immense size.....	.25	4.50
Giant Copper-Color, a most distinct combination of rich metallic shades.....	.25	

### Giant Paris Pansy Mixture.

The flowers of this strain are as large as the Trimardeau and far superior in color and in substance of petals; having a stout and stiff flower stem, the flowers last longer and the plants are more compact. Oz. \$5.00; 1/4 oz. \$1.40; 1/8 oz. 70c; trade pkt. 25c.

**PREMIUM PANSIES, Mixed.** Pkt. 25c; 1/4 oz. \$1.00; 1/2 oz. \$3.25; oz. \$6.00.

**CHICAGO PARKS.** Oz. \$1.00; 1/4 oz. 30c; pkt. 10c. 4 oz. \$3.00.

## PANSY SEED. New Crop just arrived.

**GIANT PRIZE PANSY,** most brilliant mixture ever sold, containing the finest varieties in splendid colors and excellent size. Highly appreciated by all who have tried it.

1-4 oz. \$1.50. 1 oz. \$5.00.

**FLORIST'S MIXTURE A No. 1,** very fine mixture of large flowering varieties and choice colors, especially selected for florists' use.

1-4 oz. \$1.00. 1 oz. \$3.00.

Our Pansy Seeds have been personally examined in Germany.

Write for pamphlet about "LYSOL," the Ideal In-ecticide.

**HERRMANN'S SEED STORE,**

413 E. 34th St., (near L. I. Ferry), NEW YORK.  
Mention American Florist.

## CARNATIONS

FIELD GROWN PLANTS,  
READY IN SEPTEMBER:

**C. J. PENNOCK,**

The Pines. KENNETT SQUARE, Chester Co., PA.

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## NEW CARNATIONS.

ALEX. McBRIDE,

**Carnation Grower**  
ALPLAUS, N. Y.

## CARNATIONS A SPECIALTY.

Field-grown plants, ready in September.  
Send for prices.

**GEO. HANCOCK & SON,** Grand Haven, Mich.

**Fisher & Aird,** ELLIS, MASS.  
NEW AND TESTED  
**CARNATIONS.**

## ZINGIEBEL'S GIANT PANSIES

"Huge jewels of velvet and gold."—*Boston Transcript.*

are the finest strains up to date, either here or abroad. Our seed this season is from extra quality flowers, superb coloring and largest size.

**THE GIANT FANCY STRAIN,** in trade packages of 500 seeds, at \$1.00.

And **THE GIANT MARKET, 2000 seeds,** for \$1.00 also.

Seeds tested and Satisfaction Guaranteed.

PLANTS FOR SALE AFTER AUGUST 1ST.

**DENYS ZIRNGIEBEL, Needham, Mass.**

## Herr's Pansies.

Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

L. B. 496.

**ALBERT M. HERR, Lancaster, Pa.**

## PANSY SEED

THE JENNINGS STRAIN OF LARGE FLOWERING AND FANCY PANSY SEED.

New crop now ready. The finest American strain is what every florist wants.

Very finest mixed, all colors, per ounce \$6.00; pkt. 2500 seeds, \$1.00.

The Jennings X X strain, 88 per ounce; pkt. \$1.00.

Victoria, bright red..... pkt. 1.00.

Pure white..... pkt. 1.00.

Finest yellow..... pkt. 1.10.

Dr. Faust, black..... pkt. 1.00.

Dark Blue..... pkt. .50.

The above all my own growth of 1895 from extra selected stock. 1/2 pkts. of any the above, 50 cts.

**E. B. JENNINGS,** Wholesale Pansy Grower,  
Lock Box 254. SOUTHPORT, CONN.

## Pansies Worth Raising.

NEW CROP SEED, JUNE, 1895.

1/2 ounce, about 2500 seeds, \$1.00.

August and September, 1894, as good as

the above for this year's sowing, 1/2

ounce, \$2.50, or 1 ounce \$4.00.

PLANTS LATER.

CASH WITH ORDER.

**C. SOLTAU & CO.,**

199 Grant Ave., JERSEY CITY, N. J.

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

## Roemer's Superb Prize Pansies.

The finest strain of Pansies in the World.

Introducer and Grower of all the leading  
Novelties.

Catalogue free on application.

**FRED ROEMER, SEED GROWER,**

Quedlinburg, Germany.

Mention American Florist.

## EXTRA PANSY SEED.

**MAMMOTH SUNBEAM STRAIN.**

A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt. 500 seeds, 25 cts.; 3 pkts. 6 cts.; 6 pkts. \$1.00.

A pkt. of 500 seeds of the new, peculiar and amusing Monkey Face Pansy added to every \$1.00 order.

**JOHN F. RUPP, Shiremanstown, Pa.**

Mention American Florist.



**H. Wrede,**

Luneburg, Germany.

## PANSY SEEDS.

124 First Prizes, the highest award.  
4 Medals, World's Fair.

1000 Seeds, finest mixed, 25c

Price List on application. Cash with order.

St. John, N. B.

Active preparations are being made for the annual show of the Horticultural Association, August 27 to 29; a much better exhibit than last year is expected.

Work on the new park is progressing slowly and a great improvement is already noticeable. The management has the right man in the right place in Supt. Knott, whose tasteful work on the Public Square deserves great praise.

The floral decorations at the Rural Cemetery far exceed anything ever attempted before, and the genial and popular Superintendent, J. P. Clayton, deserves even more recognition than he is getting for his untiring efforts to improve his charge.

A trip around the greenhouses shows that the spring sales of plant stock have been good, very little stock being left on hand. Wm. McLean, at Coldbrook, is undoubtedly the leading grower of ornamentals in New Brunswick; he is showing an extra fine lot of palms this season. Billy is a first-rate fellow and visitors to St. John in the trade would do well to visit his place, they would be sure of a cordial welcome.

McIntosh makes a splendid show of tree ferns and palms, and has some 'mums that give great promise of being prize winners.

Mr. Curran, foreman for Mrs. W. H. Jones, is cutting some fine roses for the season, and is remodeling one of the rose houses. He reports good results from Bridesmaid. Curran is a good rose grower and a general favorite with the boys.

Mr. Will McIntosh, gardener at Mrs. Jos. Allison's, has his place in the best of order, and his management of the costly and varied stock in his houses is greatly to his credit. His carpet bedding is exceedingly well done and is something new in St. John of late years.

Gould has two houses of chrysanthemums in good condition and is growing a lot of seedlings. He proposes to be in the swim this fall.

Three small greenhouse properties are offered for sale here, a chance for some one to buy some experience.

It is rumored that the plant of one of our leading florists is about to change hands; some American parties are named as buyers. A report is also current that a Boston house intends to open a branch store on King street for the coming season.

Messrs. Knott and Clayton have returned from a short visit to Boston in the interests of their respective employers; they report a pleasant trip.

Mrs. W. N. Gould, the flower worker of the Sussex Greenhouses, has just returned from Boston and other American cities bringing a fine stock of palms and ornamentals and the latest ideas in cut flower work S.

## CATALOGUE PRINTING. ELECTROTYPING.

Done with expert ability for Florists, Nurserymen, Seedsmen. Write to

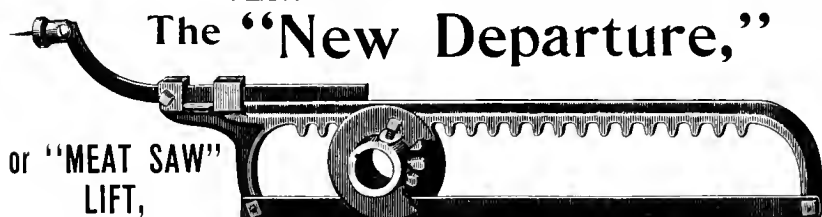
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HARRISBURG, PA.

GEO. H. CHANDLER.

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Trade-Marks, Caveats, Etc  
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Patents and Patent Causes.  
ELECTRICAL AND MECHANICAL EXPERTS.  
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YORK, PA. WASHINGTON, D.C.

SEE HERE MR., WHAT'S YOUR NAME, DON'T YOU NEED  
VENTILATING APPARATUS?



Will do the work quick, better, and **COST LESS** than any other appliance ever invented.

Address

**J. D. CARMODY, Evansville, Ind.**

## If you grow

Carnations, Chrysanthemums, Palms, Roses, Violets, or anything else worth growing, and are not feeding them with

**Albert's Horticultural Manure,**  
you are missing a mighty good thing.

It can be used in solution, as a top-dressing, or mixed with the soil. Put up in 10, 25, 50 and 100 pound packages for florists' use, and in 1, 2½, and 5 pound tins for retail purposes. Write for trade prices and pamphlet.

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General agents, United States, 88 Wall St., New York.

TO  
TAKE  
PLACE  
OF  
WIND  
MILLS

HOT  
AIR  
PUMPING  
ENGINES

### A Windmill

Is unreliable because it depends upon the elements for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

**DE LAMATER-RIDER OR  
DE LAMATER-ERICSSON  
Hot-Air**

**Pumping Engines**

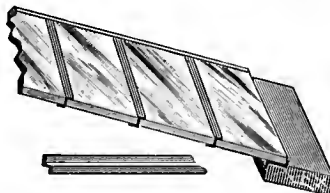
are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable, require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

Send for illustrated catalogue to  
THE DE LAMATER IRON WORKS,

467 West Broadway,  
**NEW YORK, N. Y.**

Mention American Florist.

### IMPROVED GLAZING.



**GASSER'S PATENT ZINC JOINTS** for putting glass makes greenhouses air and water tight; also prevents sliding and breakage from frost. Does not cost as much to heat a house glazed with the joints, thereby saving enough in fuel to more than pay the additional cost of glazing. The leading florists of the country are using them. Write for circulars with full particulars and price list.

**J. M. GASSER, FLORIST,**  
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**TOBACCO  
DUST.**

Per 10 lbs 50c; 25 lbs \$1.00;  
50 lbs \$1.50; 100 lbs \$2.50.  
Extra fine, per 100 lbs. \$5.  
Sample FREE.

**Vaughan's Seed Store, Box 688, Chicago.**

## J. N. STRUCK & BRO.

Manufacturers of

• **CYPRESS** •  
**Greenhouse Material,**

**LOUISVILLE, KY.**

**Red Spider Can't Live**  
WHERE THIS NOZZLE IS USED.



**CHILD'S RAIN MAKER**

Sent on approval to subscribers of AM. FLORIST.

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6122 Oglesby Ave., **CHICAGO.**

**Last Call for Advs.**

FOR OUR

**CONVENTION  
NUMBER.**

Copy must be **received by**  
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# PAINT

OR PUTTY.

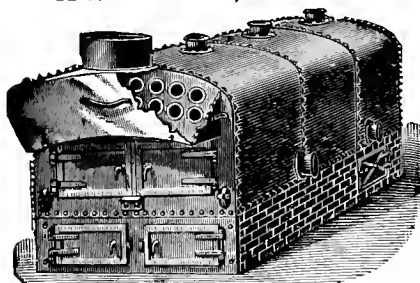
For Greenhouses,  
Conservatories  
Or any other  
Structure. . . . .

HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y.

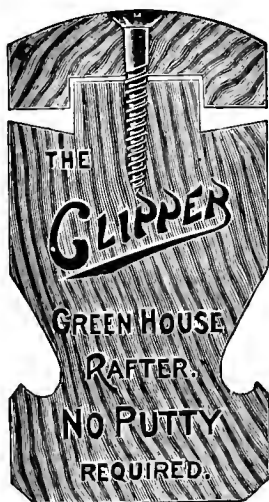
No Paint can be made too durable for the greenhouse,  
none too handsome for the homestead.

We make Paints **BECAUSE WE KNOW HOW**, and have facilities to do it. We ship to all Railroad Stations and Boat Landings without regard to distance, and will make prices laid down at your depot at figures which will pay you to patronize a cash market.

**Kroeschell Bros. Co.**  
IMPROVED  
**Greenhouse : Boiler,**  
41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.



## Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

**LOCKLAND LUMBER CO.**

LOCKLAND, O.

THE KINNEY PUMP.

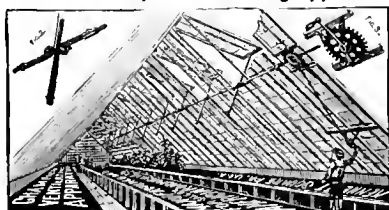


THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

**HOSE CONNECTION CO., Kingston, Rhode Island.**  
Only 29 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Asso., Ill.  
"The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

**HAVE YOU HEARD**  
of the Champion Ventilating Apparatus?



THIS IS IT.

Efficient, Easily Operated, Economical.  
**YOUR INTERESTS DEMAND AN INVESTIGATION.** Our circular is free for the asking.

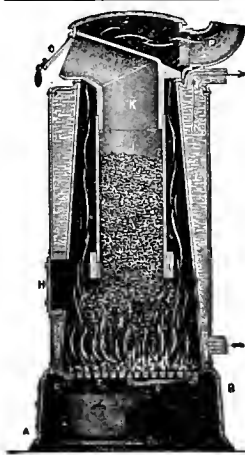
**AMERICAN ROAD MACHINE CO.,**  
Kennett Square, Pa.

**Last Call for advs.**

FOR OUR

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## THE "TABASCO" WATER HEATER.

ALL STEEL. SELF-FEEDER.

— FOR —

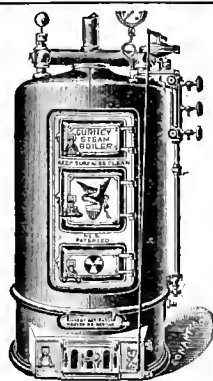
**GREENHOUSES,  
CONSERVATORIES**

And all places requiring hot water for  
**HEATING AND GENERAL USE.**

**KEWANEE BOILER COMPANY**

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KEWANEE, ILL.



"Gurney" Steam Boiler.

**Gurney** Hot Water Heaters  
AND Steam Boilers.

UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

ALWAYS EQUAL TO THE OCCASION.

Send for Greenhouse Catalogues.

**GURNEY HEATER MAN'FG CO.,**

163 Franklin Street (Cor. Congress),

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SPHINCTER GRIP ARMORED

Pat. 1882, '85, '86,  
'88, '90, '91.

**FOR WATER, AIR, STEAM, ACIDS,  
OILS, LIQUORS, GAS, SUCTION,**  
And for any and every purpose for which a hose can be applied.

Sizes, 1/2-inch to 42 inches diameter.  
The making, vending or use of any Serviceable Armored Wire Bound Hose not of our manufacture is an infringement on one or more of our Patents. The rights secured to us render each individual dealer or user responsible for such unlawful use with all the consequences thereof. For prices and discounts address **WATERBURY RUBBER CO.,** Sole Mfrs and Owners of all the *Sphincter Grip Armored Hose Patents*, 49 Warren Street, New York  
**J. C. VAUGHAN, Agent. CHICAGO.**

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

When writing to any of the advertisers on this page please mention the American Florist.

## News Notes.

STOUGHTON, MASS.—Crawford & Bewsher have leased the Stoughton Greenhouses from Gay & Crawford.

LOWELL, MASS.—D. Hartford has bought out the florist store of E. Shepard & Sons and will take possession on September 1.

FRANKLIN, PA.—P. Heilig has bought out the business formerly conducted by J. S. McGary & Co., and will continue it at the same location hereafter.

NEWBURYPORT, MASS.—Jos. J. Comley has leased the greenhouses of Wm. H. Bayley on Milk street and will run them in conjunction with his other establishment.

NORTH WALES, PA.—John Ashford, member of the late firm of Moyer & Ashford, died July 30 from the effects of a fall. He was about 65 years old and leaves a family.

JERSEY CITY, N. J.—Garrett & Rose have taken the greenhouses of A. J. Vreeland, 20,000 feet of glass, at 200 West Side avenue. Mr. Rose was formerly with Pitcher & Manda, Short Hills.

GAINESVILLE, GA.—J. E. Jackson is building two new houses, one 20x100 and one 10x100 both even span, for plants; will heat with hot water. Trade has been good the past season; business increased 35%.

DEXTER, ME.—Chas. H. Hayden, of 160 Lower Main street, is building a new carnation house 12x50 and an office 15x16. This will give him a total of 2500 feet of glass. He reports retail business as very good.

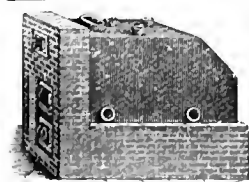
GALESBURG, ILL.—Gesler & Robbins is the title of a new firm here; they are putting up three houses 20x100, and will have a general retail business. Mr. Gesler was formerly in partnership with I. L. Pillsbury.

PATERSON, N. J.—The will of the late Henry E. Chitty shows a cordial appreciation of employees not often seen on the part of employers. He leaves the sum of \$2,000 to Elmer McCormack, who had charge of his store, \$1,000 to Alfred Kinsman, foreman of his greenhouses, and \$2,000 to Farragut Post, G. A. R. The remainder of his property (between \$50,000 and \$60,000) goes to his widow during life; at her death it is to be divided between Mr. McCormack and Mr. Kinsman.

## Jones, McDuffee & Stratton, Plant Pots and Pedestals

of all grades, sizes and values, direct from the best Potteries of England, France, Germany, China Japan and the U. S.

WHOLESALE AND RETAIL.  
120 Franklin St. cor. Federal, Boston, Mass.  
Mention American Florist.



**GREEN-HOUSE  
HEATING.  
MYERS & CO.**  
1518 & 1520 S. 9th St.  
PHILADELPHIA.  
Send for catalogue  
and price list.



**OUR STOCK OF  
Standard Flower Pots**  
is all right, of good weight, well burnt and a cherry red color. When in need of Pots just try us on once, and we will show you what a first-class Standard Pot is.

**Detroit Flower Pot M'f'y,**  
Est. 1853. P. O. Address 490 Howard St., DETROIT, MICH.

The originators of the Standard Bulb or Fern Pan; as to their general usefulness and quality we would refer you to

Wm. Scott, Buffalo, N. Y. John G. Helml, Terre Haute, Ind.  
W. J. Palmer, Buffalo, N. Y. Ernst Weinhoeber & Co., Chicago.  
Salter Bros., Rochester, N. Y. J. M. Gasser, Cleveland, O.  
Fred Dörner & Son, Lafayette, Ind. John Breitmeier & Sons, Detroit, Mich.

**THE ORIGINATORS OF THE STANDARD FLOWER POTS.**

Our capacity now is **12,000,000**

**STANDARD FLOWER POTS PER YEAR.**

A Full line of Bulb Pans.

Send for Price List. **The Whilldin Pottery Company,**  
BRANCH WAREHOUSES: **713 to 719 Wharton Street, PHILADELPHIA, PA.**  
Randolph Ave. and Union St., Jersey City, N. J.  
Jackson Ave. and Pearson St., Long Island City, N. Y.

## STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

**A. H. HEWS & CO., N. Cambridge, Mass.**

## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

**SYRACUSE POTTERY CO. OFFICE:**  
403 North Salina Street, SYRACUSE, N. Y.

## STANDARD FLOWER POTS. FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address

**PITTSBURGH CLAY MFG. CO., New Brighton, Pa.**



## Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere. . . . .

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## D. H. ROBERTS,

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## NATURAL GAS MADE GLASS,

FOR ROSE HOUSES, CONSERVATORIES, ETC., ETC.

## GLASS

which is absolutely perfect for modern greenhouse construction.

ROCK BOTTOM PRICES.

Send for Estimates. Satisfaction Guaranteed.

**REED GLASS CO.**

102 South 5th Avenue, NEW YORK CITY.

## FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

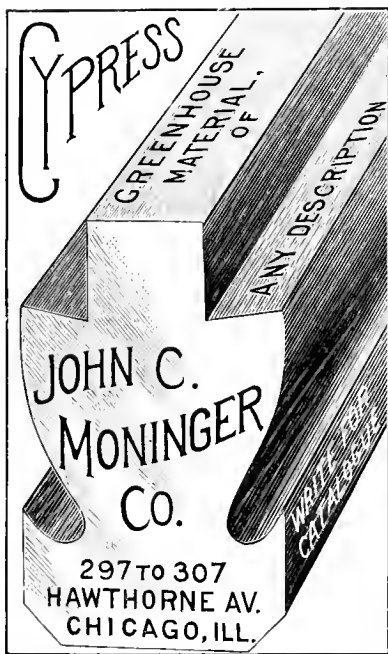
## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

P. O. Box 78.  
**J. G. SWANN'S SONS, Minneapolis, Minn.**

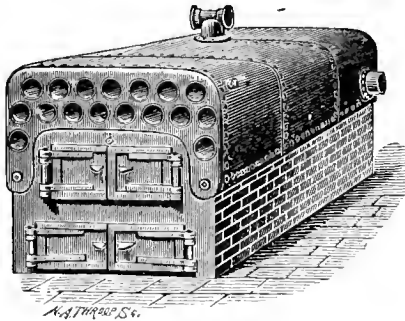
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**DEVINE'S BOILER WORKS.**  
THE FLAT TOP TYPE  
Wrought Iron Hot Water Boilers.



Capacity from 350 to 10,000 feet of four-inch pipe.  
SEND FOR NEW LIST.

**FRANK DAN BLISH, Att'y,**  
56th and Wallace Streets,  
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**WILKS HOT WATER HEATER.**  
BEST IN USE  
FOR GREENHOUSES, LARGE and SMALL.  
All Steel. No Coils or Cast Iron Sections.  
SEND FOR CATALOGUES.  
**WILKS MFG. CO., 123 S. CLINTON STREET, CHICAGO, ILL.**

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

## Greenhouse Pipe and Fittings.



Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.

Pipe can be easily put together by any one, very little instruction being needed.

**GET THE BEST.**

Hot-Water Heating, in its Economy and Superiority, will repay in a few seasons its cost.

Mention American Florist.

**L. WOLFF MFG. CO., 93 to 117 W. Lake Street, CHICAGO.**  
WRITE FOR ILLUSTRATED CIRCULAR.

**H. M. HOOKER COMPANY,**

57 and 59 W. Randolph Street, CHICAGO.

**NATURAL GAS MADE GLASS,**  
**FOR GREENHOUSES.**

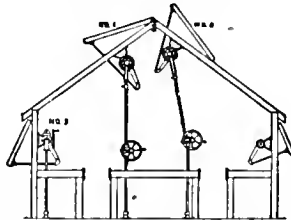
Write for latest prices. ~~~~~

**VICTORY! VICTORY! VICTORY!**

The only Certificate of Merit awarded for ventilating apparatus at the St. Louis Convention was to the

**POPULAR STANDARD VENTILATING MACHINE**

The florist's friend in working and prices.



No repairs for 5 years. no chains to break as is the result with others.

Opens Sash uniform 100 foot houses. A new device.

Send for Catalogue and estimates.

**E. HIPPARD, Youngstown, Ohio.**

**THOS. W. WEATHERED'S SONS,**  
INCORPORATED.

**Horticultural Architects and Hot Water Engineers**

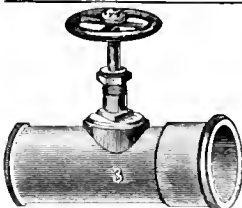
Send for Catalogue, enclosing 4 cents in stamps.

**139, 141, 143 Center St., NEW YORK.**



**California Red Cedar**  
**NEVER DECAYS.**

**A. DIETSCH & CO., 619 Sheffield Avenue,**  
Mfr's of Red Cedar and Cypress Greenhouse Material, **CHICAGO.**



**VALVES, FITTINGS AND VENTILATING APPARATUS.**

**COLDWELL-WILCOX CO.,**  
Newburgh, N. Y.

**MAIL**

LOCK THE DOOR BEFORE THE HORSE IS STOLEN  
**DO IT NOW.**

**JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J**



**EVANS' IMPROVED Challenge Ventilating Apparatus**

Write for Illustrated Catalogue.  
**QUAKER CITY MACHINE WORKS,**  
Richmond, Ind.

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Adv Rates	12	McLinde A E.	19
American Boiler Co.	21	McCarthy N F & Co.	13
Am Road Machine Co.	21	McCrea & Cole.	12
Raker Bros.	14	McFarland J H Co.	20
Haller F A.	17	MacBean A S.	18
Rassett & Washburn.	13	Manda W A.	15
Hayersdorfer H & Co.	17	May Jno N.	18
Bennett Geo E.	16	Merwin R L & Co.	20
Senger H H & Co.	15	Michel P L & Bulb Co.	14
Blanc A.	18	Michell H F.	14
Boston Flower Market.	13	Moninger Jno C.	21
Boston Letter Co.	17	Moore Frank L.	18
Buckbee H W.	18	Myers & Co.	22
California Nursery Co.	15	Nanz & Neuner.	11
Cambridge The Mfg Co.	22	Natl Folding Box Co.	12
Carmody J D.	20	National Plant Co.	18
Chandlee & Chandlee.	20	Newell Miss Ida.	18
Coldwell Wilcox Co.	23	New York Cut Flower Co.	12
Conley John & Son.	17	Oaks Greenhouse Co.	14
Cornrey T J.	13	Pennock C J.	19
Cottage Gardens.	19	Pennock Sam'l S.	12
Cox Seed & Plant Co.	15	Perrin F R Co.	15
Crak Robt.	13	Piteber & Manda.	18
Davis & Balrd.	16	Pittsburg Clay Mfg Co.	22
De Lamater Iron Wks.	21	Purdy Jas.	13
Detroit Flower Pot Mfg.	22	Quaker City Mch Wks.	23
Devine's Boiler Wks.	23	Randall A L.	13
Dietrich A & Co.	23	Raynor J L.	13
Dillon J L.	18	Reinberg Bros.	13
Dorner Fred & Son.	15	Rice M & Co.	17
Drer H A.	14 15	Roberts D H.	22
Elliott W H.	13	Roehrs Theo.	13
Ellison Wm.	12	Roemer Fred.	19
Ellis & Pollworth.	12	Rogers Pk Floral Co.	13
Ester J G.	11	Rolker A & Sons.	17
Fisher & Alrd.	19	Rupp John F.	19
Gardner John & Co.	15	Rupp Henry S & Sons.	14
Gasser J. M.	20	Sander & Co.	14
Gurney Heater Co.	21	Schneider Fred.	15
Hall As'n.	23	Schwake Chas.	16
Hammond Benj.	21	Scollay Jno A.	24
Hancock & Son.	19	Seibre P & Sons.	13
Hartford H E.	12	Sheridan W F.	13
Hausperger F.	11	Siebrecht & Wadley.	16
Herr Albert M.	19	Situations, wants, etc.	11
Herrmanns Seed Store.	19	Smith Natb & Son.	14
Hesser W J.	16	Soltan C & Co.	19
Hewa A H & Co.	22	Stummel T W.	18
Hill E G & Co.	18	Storrs & Harrison Co.	14
Hippard E.	23	Strehy S O.	15
Hitchings & Co.	24	Struck J N & Bro.	20
Hofman E M. H N.	16	Sunderbruch H L.	12
Hooker H M Co.	23	Sutherland Geo A.	13
Horan Edw C.	13	Swahns Sons J G.	22
Horan Jas & Son.	14	Syracuse Pottery Co.	22
Hose Connection Co.	21	Vaughan J C.	14 15 19
Hulsebosch Bros.	15	Waterbury Rubber Co.	21
Hunt E H.	13	Watson G C.	14
James R H.	14	Weathereds Sons T W.	23
Jennings E B.	19	Weeber & Don.	15
Jones M M.	20	Weich Bros.	13
Jones McJuffee and Stratton.	22	Whilldin Pot Co.	22
Joosten C H.	15	Wilks Mfg Co.	21
Kennicott Bros Co.	13	Williams & Sons Co.	11
Keppler M.	15	Wis. Flower Ex.	12
Kewance Boiler Co.	21	Wittbold Geo.	16
Kroeschell Bros Co.	21	Wolff L Mfg Co.	23
Kuehn C A.	12	Wood Bros.	14
Lang Julius.	13	Wrede H.	19
Lockland Lum Co.	21	Yonng Jno.	13
Long Dan'l B.	16	Younge Thos Jr.	13
Lonsdale Edwin.	14	Zirngiebel Deysa.	12
Lord & Burnham Co.	24		

BALTIMORE, MD.—Mr. and Mrs. Fred G. Burger of this city are away on a trip through Europe.

RANDOLPH, MASS.—Ernest W. Mann, of the firm of Mann Bros., was married to Miss Ethel H. Paine on July 23. Three weeks' bridal trip down in Maine, then back to business again.

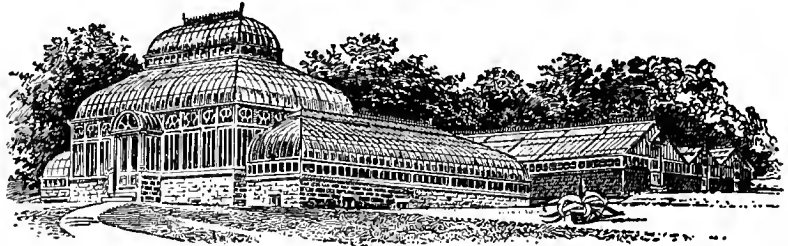
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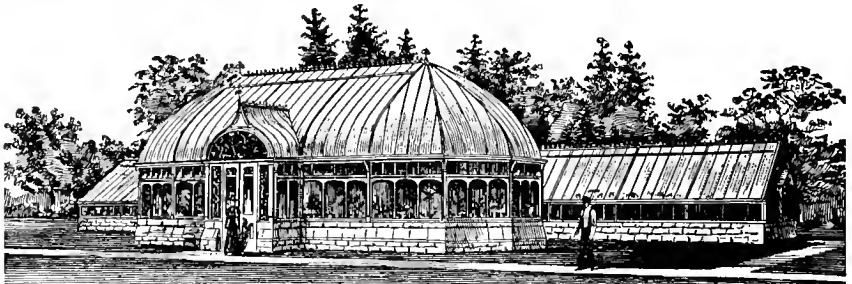
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## THE "SPENCE" HOT WATER HEATER

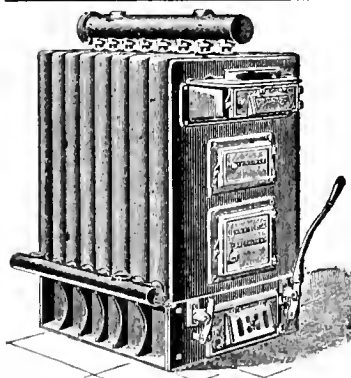
has many distinctive features, but there is none more valuable than that of the "WATER POST," which serves to connect the sections with the fire pot. This "post" makes each section independent of the others, so that, should it at any time be necessary—in case of accident—to repair any section, that section can be removed without necessitating the disturbance of the piping. This feature—a feature possessed by no other heater—is one of the utmost importance, as the injured section can be removed without putting out the fire, or in any way stopping the action of the heater.

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# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XI

CHICAGO AND NEW YORK, AUGUST 17, 1895.

(With Supplement.)

No. 376

## THE AMERICAN FLORIST

Copyright 1895, by American Florist Company.  
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### The Eleventh Annual Meeting

OF THE

## Society of American Florists

WILL BE HELD AT

PITTSBURG, PA.,

AUGUST 20, 21, 22, & 23, 1895.

#### OFFICERS:

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. SEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer.

#### Pittsburg.

#### LATEST CONVENTION NEWS.

On Tuesday evening the club held a very enthusiastic meeting, over sixty members present and fourteen new ones elected. All the committees reported everything in good shape to give to our visitors a pleasant time here. The ladies' drive will be on Wednesday afternoon, and the route will embrace some portions of the city that will, we think, prove a great surprise as well as pleasure to those strangers who hear of nothing more than smoke about us.

The shooting committee has secured the grounds at the "Country Club," and details are all perfected. Mr. Randolph has selected a team which he thinks will require some extra good work to beat and the same can be said for the bowlers; we are prepared for the contest and hope to be "in it" at the finish. Privilege of entering for the bowling contest is extended to Tuesday, 8 p. m. The shooting team consists of Messrs. Randolph, Geo. Murdoch, Wm. Agnew, Ross, Schafer and Elverson. The bowling team is Scherier, Oesterle, Bennett, Reineman, J. Ludwig and J. B. Murdoch. This the official program corrected up to date.

#### THE PROGRAM.

Meetings and exhibition at the Alvin Theatre, 6th street, between Penn avenue and Duquesne Way.

TUESDAY, AUGUST 20, 1895

First Day, Opening Session, 10:30 A. M.



No. 1.



No. 2.

VIEWS IN THE GREENHOUSES OF ERNST ASMUS.

Address of welcome, Mayor B McKenna of Pittsburg, Mayor W. M. Kennedy of Allegheny, City Controller H. I. Gourley, Pittsburg, and others.

Response. Grove P. Rawson, Elmira, N. Y.

President Lonsdale's address.  
Reports—Secretary, Treasurer, Standing Committees, Special Committees.  
Appointment of exhibition judges.  
Miscellaneous business.  
Exhibition closed during sessions.

#### PAYMENT OF DUES.

Members can pay their annual dues at the Convention Hall previous to the opening of the morning session, or at the close of that session, on the first day of the Convention.

Those who choose to do so, may remit the amount of their dues to the secretary at any time previous to the date of the Convention. The Society's badge and receipt will be sent in return.

N. B.—According to the by-laws and custom of the Society, any person becoming a member continues a member until he asks for a release, or is

suspended for non-payment of dues. Members having once joined the Society are thus liable for successive annual dues unless they notify the Secretary of their desire to withdraw from membership. All arrearages must be paid unless abatement is granted by vote of the Executive Committee.

#### TUESDAY AFTERNOON.

Sessions of exhibition judges and nomenclature and other committees.

First Day, Evening, 8 p. m.

The President's reception will be held on the stage at Alvin Theatre under the auspices of the P. and A. F. and G. C.

Music and refreshments.  
Exhibition open throughout the evening.

WEDNESDAY, AUGUST 21, 1895.

Second Day, Morning Session, 10 o'clock.

Report of judges on exhibits.  
Selection of place of meeting for 1896.

Nomination of officers.  
 Discussion of the President's address.  
 A paper, subject: "Horticultural Education, Practical and Theoretical." Chas. J. Dawson, Jamaica Plain, Mass.  
 Discussion.  
 The Question Box.  
 Election of State Vice-Presidents by state delegates.

#### THE QUESTION BOX.

1. Is it practicable for this Society to hold flower shows in some of the larger cities in the fall?
2. What is the best means for us as a Society to adopt to prevent unscrupulous dealers from misrepresenting their goods or our profession?
3. Should the Society take any action towards organizing a mutual benefit insurance within its own membership?
4. Would it benefit the Society to limit its membership to those actively engaged in commercial floriculture and allied trades?

Exhibition closed during sessions.

#### WEDNESDAY AFTERNOON.

Meetings of the F. H. A. and C. S. A.

#### ENTERTAINMENT FOR LADIES.

On Wednesday afternoon the visiting ladies are invited to a drive through the parks by the P. and A. F. and G. C. Carriages will start from the Alvin Theatre at 1:30 p. m., and returning will stop at Morgan's Cafe, East Liberty, where light refreshments will be served.

#### BOWLING.

The bowling contest will begin at 1 o'clock p. m. Alleys under the Grand Opera House, entrance on Diamond street, between Smithfield and Wood streets.

*Second Day, Evening Session, 8 o'clock.*

An illustrated lecture, subject: "The Mysteries of the Flowers." Wm. Hamilton Gibson, Washington, Conn.

The center of the house will be reserved for members and their ladies. The public will be charged an admission fee.

Exhibition closes during the lecture.

#### THURSDAY, AUGUST 22, 1895.

*Third Day, Morning Session, 10 o'clock.*

Election of officers.

Discussion, under the auspices of the Chrysanthemum Society of America. Subject: "Improved Chrysanthemums, Extant and Essential." Opened by E. G. Hill, Richmond, Ind.

Discussion, under the auspices of the American Carnation Society. Subject: "Latest Facts as to Carnations." Opened by Fred Dorner, Lafayette, Ind.

Discussion, under the auspices of the American Rose Society. Subject: "Latest Facts as to Roses." Opened by John Burton, Phila., Pa.

The Question Box.

5. How can the interests of any special class of plants be best advanced?

6. Is it advisable for greenhouse proprietors to accept plants for storage, and under what conditions?

7. What is the best method for forcing hardy roses?

8. What length of greenhouse would be most desirable to ventilate under one section, provided the whole length of sash could be raised without strain to the apparatus?

9. What amount of working capital would be deemed sufficient to start into the florist business in a city of five to ten thousand inhabitants?

10. What warranty against diseased *Harrisii* bulbs should be required by purchasers?

11. Is the mail trade in plants on the decline? and if so, why?

Exhibition closed during session.

#### THURSDAY AFTERNOON.

Meetings of the A. R. S., F. P. A. and T. D. A.

The visitors are cordially invited by Supt. Bennett to visit Schenley and Highland Parks on Thursday afternoon.

#### SHOOTING TOURNAMENT

Will be held at Country Club grounds commencing at 1:30 p. m.

*Third Day, Evening Session, 8 o'clock.*

A paper, "Hardy Perennials, their Value



No. 3.



No. 4.

VIEWS IN THE GREENHOUSES OF ERNST ASMUS.

to the Florist." J. Woodward Manning, Reading, Mass.

Discussion.

A paper, subject: "The Society's Influence in Popular Horticultural Advancement." Prof. J. F. Cowell, Buffalo, N. Y.

Discussion.

The Question Box.

Exhibition closed during session.

#### FRIDAY, AUGUST 23.

#### FOURTH DAY.

A steamboat excursion up the Monongahela River to the large steel works at Homestead by invitation of the P. and A. F. and G. Club. The boat starts at 1 o'clock p. m., returning to the wharf at about 6 o'clock for convenience of those who must leave by early train; then goes out again for an evening ride.

Officers of the Pittsburgh and Allegheny Florists' and Gardeners' Club: President, A. W. Bennett; vice-president, John Herron; secretary, George Osterle; assistant secretary, A. F. Dalzell; treasurer, John Bader.

Sub-Committees of the Pittsburgh and Allegheny Florists' and Gardeners' Club in charge of Convention matters:

RECEPTION—A. W. Smith, Boggs avenue, Pittsburgh; J. Sempke, F. Burki, A. Nelson, J. Herron, J. Bader and R. Lundstrum, Chas. T. Siebert.

ENTERTAINMENT—E. C. Reineman, 305 Lowry street, Allegheny; W. Watson, T. Ulam, A. F. Dalzell and S. McClements.

LADIES—G. W. Burke, Highland Park, Pittsburgh; Ed. Howells, C. Cook, R. J.

Murdoch, B. Frosch, T. Ulam and Mrs. E. Williams.

PRESS AND PRINTING—A. F. Dalzell, Station D, Pittsburgh; J. B. Murdoch and T. Ulam.

HOTEL—B. L. Elliott, 38 Fifth avenue, Pittsburgh; P. S. Randolph and J. W. Ludwig.

BOWLING—H. Scherrer, 510 Smithfield street, Pittsburgh; J. B. Murdoch and W. Watson.

SHOOTING—A. W. Bennett, P. S. Randolph.

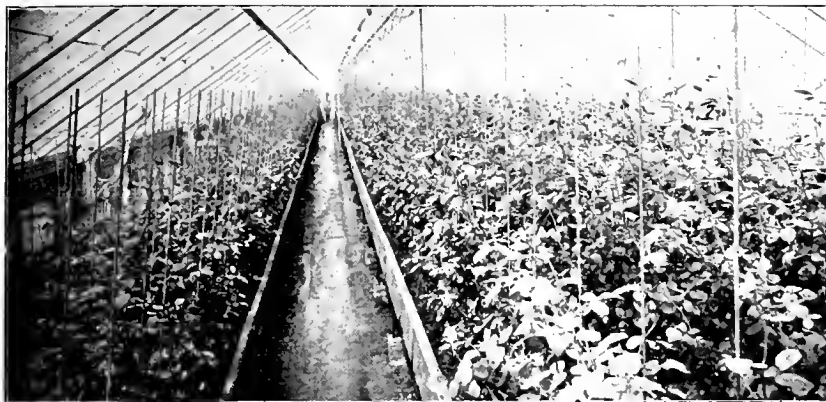
#### PITTSBURGH PARKS.

The following is a brief description of the bedding at the entrance of Highland Park, E. End, Pittsburgh, Pa.

At the entrance on Highland avenue is shown the design representing the gates ajar, made of *echeverias* and *alternantheras*, with eight steps of carpet leading into it. In the rear is the fountain with a cactus bed on one end of it and a croton bed on the other, with a large promenade on either side and a border of cannas, geraniums, and coleus 1,100 feet long. In the center of each border is an octagonal raised bed with beautiful designs and on each side of the border are different beds of French cannas, etc.

To the west on the slope of the Reservoir is a stair carpet of 24 steps to the top of the Reservoir on an angle of 45 degrees on which is a border of geraniums. Then comes the bed representing the shield of Pittsburgh and the crossed flags draped over the pole and the emblem of the Society of American Florists in honor of





No. 5.



No. 6.

## VIEWS IN THE GREENHOUSES OF ERNST ASMUS.

the occasion of their convention being held here this month. Also the emblem of the P. A. C., a prominent athletic club of Pittsburgh. Then the design representing the shield of Pennsylvania with Virtue, Liberty and Independence in large letters, and a large American flag alongside of it, and another stair carpet of 24 steps to the top of the Reservoir, making a very beautiful display.

The designs were made and planted under the supervision of Geo. W. Burke, Superintendent.

The following is a list and numbers of the different varieties of plants and flowers of which the designs are composed:

Althernanthera	150,000
Achyranthes Lindenii	1,800
Stevia serrata var.	1,300
Coleus	3,500
Geraniums	5,000
" Mme. Sallerioi	1,200
Sedums	3,000
Cineraria maritima	850
Centaurea gymnocarpa	275
Acalyphas	1,000
Chrysanthemums	1,000
Caladiums	300
French cannas	1,000
Petunias	500
Seedlings	2,000
Echeverias	4,500
Sautolina	1,000

178,225

The flower beds in Schenley Park are not on the same plan as all, being as different in designs as the parks are by nature. In Highland Park the area is limited and facilities for the kind of work there have made are exceptionally fine, while in Schenley the area is so extensive that the beds must be very much larger and different in design. Both are finished in fine taste, and I think our visitors will be greatly pleased.

The conservatory at Schenley is in good

shape. The nymphaeas are all doing finely, while the Victoria regias speak for themselves. The palm and fern house is very fine, also the Australian tree ferns, and both worthy of a visit of themselves, and they are only here about two years.

Thursday afternoon is children's day at Schenley, and goat, pony and bicycle races for handsome prizes, best rigs, etc., will bring every one of the younger fry, and many older ones, out to see them. It is well worth a visit, as it is one of our great summer attractions.

John Thorpe, Esq., was here last week. He and Mr. Semple had been rusticated up the Allegheny for about two weeks. Enjoyed themselves, but have not begun any fish stories yet. Probably keeping them for the strangers next week. Mr. Semple reports his asters in good condition, and although they are the late flowering varieties he expects to have some fine pot plants of them to exhibit.

Trade is about as last week, and the florists expect to have plenty of time to devote to the convention and its members, and will give them what is known to those who have participated in gatherings here before as a Pittsburgh welcome, only this time we will endeavor to make it a "Greater Pittsburgh" one. REGIA.

## Pittsburg and Allegheny Hotels.

Below are given the names and locations of the hotels at which rates have been secured by the local committee for convention week, rate per day, number each can accommodate, and whether American or European plan.

The Chairman of the Hotel Committee is Mr. B. L. Elliott, 38 Fifth avenue, Pittsburg.

## PITTSBURG.

Central Hotel, Smithfield street, between Second and Third avenues. American plan. One person in a room, \$2.50; two in a room, \$2 each. Can accommodate 200.

St. Charles Hotel, corner Wood street and Third avenue. American. \$2. Can accommodate 100. Hotel Willey, Sixth street near Penn. American. One person in a room, \$2; two in a room, \$1.75 each. Accommodate 100.

New Hotel, Fifth avenue. European. \$1 to \$2.50. Accommodate 20.

American House, 1002 Liberty street. American. \$1.50. 75 rooms.

Hotel Schlosser, corner Sixth street and Penn avenue. American. \$3. Accommodate 150 to 200.

Hotel Anderson, Sixth street. American. \$3, \$3.50, \$4, \$4.50 and \$5 Accommodate 50 to 100.

Monongahela House, First avenue and Smithfield street. American. \$3 and upwards. Accommodate 60 to 75.

Hotel Durr, corner Fourth avenue and Market street. American. \$1.50 and \$2. Accommodate 25.

Hotel Duquesne, Smithfield street. European. \$1.50 to \$5. 90 rooms.

Home Hotel, Duquesne Way. American. \$1.50. Accommodate 75.

Seventh Avenue Hotel, Seventh avenue. American. \$2.50 and \$3. Accommodate 100.

Hotel Boyer, Seventh and Duquesne Way. American. \$2. Accommodate 100.

Eastern Exchange Hotel, Penn avenue, East End. American. \$1.75. Accommodate 50 to 100.

## ALLEGHENY.

Gerst's Hotel, East Diamond street 50 cents to \$1.25. Accommodate 25.

Hotel Schreiber, 35 S. Diamond street. \$1.50. Accommodate 50.

Hotel Randall, 49 S. Diamond street. \$1.50. Accommodate 25.

Hotel Girard, 20 Federal street. \$1.50. Accommodate 45.

Hotel Willard, 187 Federal street. \$1.00. Accommodate 75.

Hotel Mabold, Federal and Robinson streets. \$1.50. Accommodate 25.

Hotel Sauers, 84 Federal street. European. 50 cents, 75 cents and \$1. Accommodate 40.

Hotel Wetzler, 31 E. Diamond street. \$1.25. Accommodate 15.

Chas. Schulle, 162 Lacock street. \$2.00. Accommodate 25.

Hotel Carson, 168 Lacock street. \$1.

Hotel Burdett, 2 Federal street. \$2.

## From the Atlantic to Pittsburg.

The Boston party will leave at 7 p. m. on Sunday, August 18, from Park Square station, via Fall River Line, due in New York early on Monday morning, where they will join with the delegation from that city, going over the Pennsylvania railroad. The trip from Fall River will be on the steamer Priscilla, the newest and most beautiful of the Sound steamers. This will be a delightful sail, and all those going from eastern New England will do well to go in company with the Boston boys. State rooms on Priscilla may be secured by applying to Wm. J. Stewart, 67 Bromfield street, Boston, Mass.

From New York and vicinity the party will start via Penna. railroad, foot of Cortlandt street, at 9:30 a. m. Monday, August 19. The New York Florists' Club will take charge of all arrangements for the comfort of the travelers. All those intending to go with the New York party are earnestly requested to so notify Mr. John Young, secretary N. Y. F. C., 51 West 28th street, New York City.

The New York train is due at Philadelphia at 11:57 a. m., and will leave for Pittsburg at 12:25 p. m., after being joined by the Phila. delegation. Phila. will be represented by a large party, and the Philadelphia Florists' Club will take charge of the train in time honored Philadelphia fashion. The route runs through the most picturesque part of Pennsylvania. Pittsburg will be reached at 11:30 p. m. eastern time, which is 10:30 p. m. at Pittsburg. Members from the east requiring berths on train or state-rooms on boat on return trip are advised to secure same long in advance, as at the time of closing of the Pittsburg meeting the great army of Knights Templars will be on their way to Boston, and traveling accommodations will be severely taxed.

## Chicago to Pittsburg.

The committee of the Chicago Florist Club has arranged with the Pennsylvania railroad for transportation to Pittsburg. The party will have special cars on train leaving Union Depot, Chicago, at 3 p. m. Monday, August 19, reaching Pittsburg at 6 a. m. eastern time (7 a. m. western time) on Tuesday, the opening day of the convention. Florists in the west and northwest are cordially invited to join the party. Berths may be reserved by addressing the chairman of the committee, Mr. G. L. Grant, 322 Dearborn street, Chicago.

## The Color Chart.

In placing the word "correct" in the title of the color chart published with this issue of the AMERICAN FLORIST, it might seem as though so sweeping a claim as the word implies was unwarranted in view of the fact that there is no scientific certainty about a simple normal color. But that word "correct" must be taken from a *comparative* point of view. It was by comparative analysis that Louis Agassiz made a perfect classification of objects in natural history, and I believe that it is only by a comparative analysis of color that we can learn about its truth. The 36 colors of the chart have been subjected to a rigid comparison with prismatic colors, pigments, flower petals, and the colors of nature. Therefore, it should be understood that the chart colors are only correct from a *comparative* point of view.

A qualification of the *names* of the colors on the chart is necessary here in order to prevent any misunderstanding about the colors themselves. Of course the dullness of pigment color prevents the florist from obtaining the exact "match" which he reasonably hopes for; but he should remember that his flower-colors are out of reach, and these patches of pigment color on the chart only claim an absolute reliability as regards the *kind* of color; they cannot claim to be exact when *brilliance* is taken into consideration.

The following qualifications are, therefore, a necessary accompaniment to the color chart:

1. **PURE YELLOW**; it needs no apology; compare it with a bit of wild mustard (*Brassica rigra*), or the canary-bird flower (*Tropæolum peregrinum*). The color is untainted with either red or blue—that is, from a comparative point of view. It will also be found that the evening primrose (*Oenothera biennis*) matches this pure yellow perfectly.

2. **PURE BLUE**; this needs no apology, as it adequately represents the true blue which cannot be found in Flora's world, but which is often seen in the sky; it is a blue free from either yellow or red.

3. **PURE RED**; this is as near purity as I can reasonably expect to get, in view of the fact that *every* red pigment is more or less yellowed on the one hand, or blued on the other! The present red is on the *very edge* of being "blued," but its purity of tone adequately represents the quality of pure red color. If a nearer representation of true red was attempted, aniline color would have to be employed, and strangely enough that kind of pigment with all its brilliancy is so influenced by a substratum, so to speak, of yellow, that I fear to mislead the florist by using it. This present red, then, may be considered pure, with so infinitesimal an amount of blue in it that it is not worth talking about. Again, the commonest reds are so often mixed with a proportion of yellow, that it is a great advantage to the

florist to see a red which he can be absolutely sure, contains *no* yellow. As far as its dangerous proximity to bluishness is concerned, that need not be feared. In proof of the comparative purity of the present color, place a petal of the crimson hollyhock beside it and the color patch will actually appear like a yellow-red.

4. **RUSSETT ORANGE**; formed by the throwing of red on yellow; it adequately represents a sober shade common among the nasturtiums.

5. **ULTRAMARINE BLUE**; this color is already amply qualified on the chart; it is not possible to obtain a true ultramarine blue on the lithographic press. It is the deepest and most brilliant of all the pigment blues, and it is fairly represented in the gentian family. Whenever a flower *does* approach what might be called a blue, it is apt to show a color like this color patch labeled Dull Ultramarine Blue, Grayish. I might instance the wild obelias; particularly Indian tobacco (*Lobelia inflata*).

6. **RED MAROON**; too red to be considered maroon; that color lies between No. 6 and No. 18. The origin of the name maroon is French; the color is really that of a chestnut shell, but the term has a general acceptance as meaning a dark red color pretty near brown. The King Theodore nasturtium is one of the richest red maroons, and a certain dark red dianthus which grows in my garden I should accept as a perfect maroon flower. But so intense are Nature's colors that one of my dianthus is quite as dark as No. 18, but with this difference; the flower is full of an intense color; the patch is a shallow brown lacking in color force.

7. **SCARLET**; this is a strong yellow-red common among poppies, geraniums, nasturtiums, gladioli, and other flowers too

numerous to mention. Scarlet is a color which may vary considerably; The King of Tom Thumb nasturtiums is an intense scarlet; the Madame Crozy canna is a solid scarlet; some of the ranunculus poppies are light scarlet.

8. **VIOLET**; this is by common consent the accepted blue of flowers; compared with No. 2 we see it is not blue at all. In various dilutions with white the color of the violet is obtained.

9. **DARK CRIMSON**; a color common among petunias; it is a trifle deeper than No. 17 and I intended that it should be bluer; but in the printing the substratum of blue failed to force the overlaying red into the magenta-like crimson which is characteristic of the petunia family. Compare the dark crimson petunia with the patch and it will be found that the latter is simply shallow.

10. **SULPHUR**; this is exactly correct; compare it with the pale yellow double hollyhock, and the latter will be found simply purer in tint; there is no yellow like this in the calendula or the nasturtium.

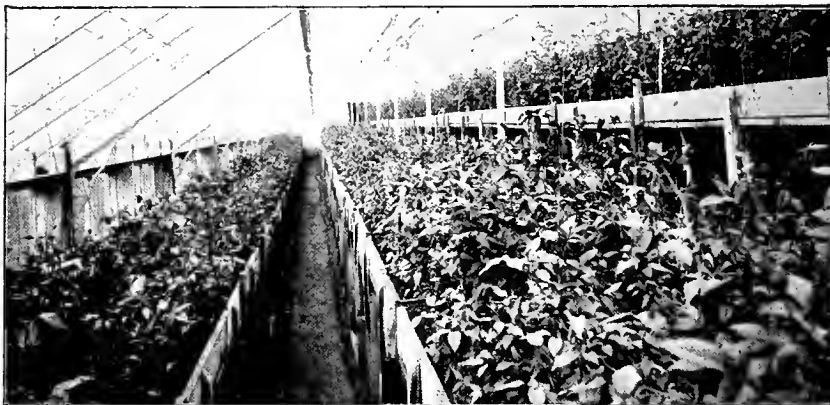
11. **PURPLE**; is also quite correct, and it is so common among flowers that it needs no hints for comparison. It will be found that many so-called blue flowers are surprisingly near this color.

12. **CARDINAL**; this color is so dull and shallow compared with the deepest-hued ranunculus poppy (which is really cardinal in color), that it seems made of brick-dust; still the patch represents quite truthfully that intense red color removed from scarlet by its characteristic depth, which is common among many flower families.

13. **MAGENTA**; one of the commonest colors in many flower families; it exactly corresponds with the so-called pink catch-



No. 7.



No. 8.

VIEWS IN THE GREENHOUSES OF ERNST ASMUS



No. 9.



No. 10.

VIEWS IN THE GREENHOUSES OF ERNST ASMUS.

fly in my garden. Fireweed (*Epilobium angustifolium*) is also exactly magenta. Among the petunias is a flower intensely rich in this color.

14. DEEP PURPLE; this is a color common in the aster family, as is also No. 8 and the same number intensified to the depth of No. 14.

15. DARK PURPLE; this is a color which falls of the depth I wished for but which still adequately represents some of those dark purple flowers which are mistakenly called violet.

16. BLUE-GREEN; this green is given simply to show a raw uncommon color which Nature never uses in her foliage; yet it is often the case that a plant is described as having blue-green foliage! The brightest bit of bluish grass will appear olive beside this patch.

17. CRIMSON; although this is dull it perfectly represents crimson, the blue red color which is too often confused with dark reds which are *not* characterized by a bluish tone. Compare it with the deep red double hollyhock, and the latter will be found to match it exactly. I have some sweet william which is also a perfect crimson.

18. PURPLE Madder BROWN; a color which is very similar to the four black spots on the poppy's petal. It is too brown and colorless to be labeled maroon although the latter color approaches it very nearly.

19. PURE ORANGE; this color lacks intensity, but otherwise it exactly represents a color common in the eschscholtzia, calendula and crocus.

20. PURE PINK; this color lacks bril-

liancy, but represents a pink free from yellow or blue. Compare it with a pink ranunculus poppy and the so-called salmon-rose Phlox Drummondii; it will be found that the latter flower is pure pink and is free from salmon color. The phlox which is usually supposed to be pure pink will show itself decidedly crimson pink.

21. GOLDEN YELLOW; common in the nasturtium, marigold, calendula, canna, coreopsis, sunflower and other flowers too numerous to mention.

22. SALMON; common among many flowers; notably among zinnias.

23. LIGHT PURE PINK; the salmon rose Phlox Drummondii is this light pure pink, also some ranunculus poppies show this color.

24. STRAW, BUFFISH; common among the nasturtiums; notably Prince Henry and Pearl; but the true straw color which these nasturtiums show is a trifle yellower; it lacks the buffish tone. The Crystal Palace Gem is also straw color. The yellow tigridia is a strong straw yellow of golden tone, or more correctly speaking a weak golden yellow.

25. REDDISH SALMON; more truly it is a salmon red; frequently seen in zinnias, and often found among nasturtiums.

26. LIGHT LILAC; a true pale lilac color common in many flower families.

27. MAGENTA LILAC; a true reddish lilac color; common.

28. SALMON PINK; rather deep and dull, but still true to a yellowish pink color often seen in nasturtiums and zinnias; it never occurs in the phlox family.

29. LILAC; a true dilute purple which is very common; especially in the wistaria.

30. CRIMSON PINK; more truly a magenta pink; the crimson pigment diluted with white produces this color, therefore, it is practically crimson in tone, but it approaches so near the effect of magenta diluted with white that its name should be preferably magenta-pink. For a good example of crimson pink take the brightest pink that occurs in the Drummond phloxes; but do not confuse this with what is called the Salmon rose variety.

31. SCARLET ORANGE; or, as well call it orange scarlet; very common, especially among the nasturtiums.

32. TERRA COTTA BROWN; very common in the orchid family, and seen in the spots of the wild lily and the jewel weed.

33. FLESH; not very common but found quite distinct among the zinnias.

34. BROWNISH FLESH; a color frequently found in the nasturtium family, and not far from the color of the tips of the milk-weed flower (*Asclepias Cornuti*); where it is found combined with No. 35 or, sometimes a color a trifle purpler than the last mentioned number.

35. BROWN LILAC; or, more properly speaking lilac brown; it occurs in the nasturtium family combined with a silky sheen of an old gold tone; the Edward Otto, Heinnemann, and chocolate nasturtiums all favor this color.

36. OLD GOLD; this is a color which is frequently seen in orchids, and is strong in the nasturtium called bronze; it also appears in the Edward Otto.

F. SCHUYLER MATHEWS.

Views in the Greenhouses of Ernst Asmus, West Hoboken, N. J., and at Dailedouze Bros, Flatbush, N. Y.

Pictures sometimes tell an instructive story more effectively than words. Our readers have heard much of the many large establishments which supply the unexcelled roses, carnations and chrysanthemums for the New York market, and we believe they will find much to interest them in the views herewith presented, which show how the interiors look and how the plants grow in two of the best known of these places. These photographs were taken about mid-day on July 30 and 31, 1895.

We have first (No. 1) a bench of American Beauties planted about the middle of May with a summer crop in view. At time of photographing the house was off-crop, and Mr. Asmus was cutting from 20 to 50 flowers daily. Two weeks earlier the cut was from 60 to 150 per day. When this photo was taken (11 a. m.) the thermometer registered 79°. No. 2 shows a house of the same variety planted the end of June. There are no buds being cut from this house yet. In No. 3 we have a house of Meteors, the center bed being solid with broken stone drainage, and heated by pipes run underneath on the plan adopted by John H. Taylor at Bayside. Two weeks previously the cut from this house averaged 300 per day; now, when off-crop, the daily cut is from 100 to 150. Temperature 11 a. m., sunny weather, 76°. No. 4 is a house of Meteors planted on benches. As to comparative growth between these and those in the beds, the foreman said there was no great difference. The crop about July 20 was from 250 to 350 per day. Ten days later when off-crop it was 100 to 150. The rule as to temperature is night 65°, day 75° to 85°. The method of tying to wire supports is well shown in this picture.

Testout planted May 20 for summer crop is shown in No. 5. At time of photo-



graphing this house was yielding 50 to 100 buds daily. Two weeks previous the cut was 300 to 400. Here the thermometer showed a temperature of 72°. No. 6 is a house of Bridesmaid planted May 20. Temperature when taken 88°. No. 7 is Mme. Cusin planted June 19 and now in full crop. A night temperature of 58° and a day temperature of 68° to 78° is the rule with this variety, of which there is no more successful grower than Mr. Asmus. His method of side ventilation is shown in the picture. No. 8 is the new sport from Cusin, Mrs. J. Pierpont Morgan, which was sent out by J. N. May the present year. It is making a fine growth.

No. 9 shows a house of early chrysanthemums at Mr. Asmus's. In the center bench is seen the new early pink, Mrs. Parker, and the side benches are filled with Ivory. No. 10 is a house of late chrysanthemums. Pres. W. R. Smith and Major Bonnaffon occupy the center bench, Sunrise is on the left hand bench and W. H. Lincoln on the right. Mr. Asmus will fill these chrysanthemum houses with hybrid roses as soon as the crop is cut.

Views No. 11 to 17 inclusive are from the establishment of Dailedouze Bros., at Flatbush. No. 11 is a house of early chrysanthemums. Mrs. Parker, early pink, on the left and Marion Henderson, early yellow, on the right. No. 12 is the new early white, J. H. Troy, sent out by Pitcher & Manda. It is a "climber," and the roof may yet intercept its progress heavenward. No. 13 shows a new early white which Messrs. Dailedouze call the "unknown" for the present, and which they seem to regard with high hopes. Major Bonnaffon is shown in No. 14. Dailedouze Bros. let all their chrysanthemums run to from three to five blooms per plant. Mr. Asmus follows a similar plan. After the chrysanthemums are finished these houses are filled with carnations for winter crop. A house of carnations, Wm. Scott, as now growing at Dailedouze Bros., is shown in No. 15. These carnations were planted in September, 1894, and the blooms now being cut from them are bringing two dollars per hundred in the New York market. They will be replanted September 1. No. 16 gives an idea of how carnations are grown in the field at Dailedouze Bros. The first bed is Fred Weir, the new pink, which is to be disseminated next season. The next three beds are Wm. Scott and the two next are Albertini. No. 17 gives a closer view, showing the difference in growth of different varieties. The large full plants in the first row, down to the marking stake, are the new white Crystal. Those beyond the stake are Storm King, which, with Dailedouze Bros. at least, appears to lack constitution.

#### Herbaceous Plant Notes.

*Aster sibiricus* does not resemble our native asters, either in foliage and growth or in the way of flowering. It is a most profuse bloomer, and in August and September the compact and much branched plant is literally covered with its light blue flowers from top to within a few inches of the ground. The stems are very slender but stiff and erect, growing to a height of 18 to 24 inches. The leaves are broadly lanceolate, serrated at the edges, and have a rough surface. A highly ornamental plant for any part of the garden, and useful for cutting, but only seldom found in collections.

*Hibiscus moscheutos* is another summer and autumn flowering species of the same shrubby appearance as *H. militaris*, but



No. 11.



No. 12.



No. 13.

#### VIEWS IN THE GREENHOUSES OF DAILEDOUZE BROS

has creamy white flowers with a rich dark purple center, blooming from August until frost cuts it down, growing to a height of 3 to 4 feet. The leaves are broadly ovate and are covered with a soft down beneath. This variety should also be planted among the shrubs.

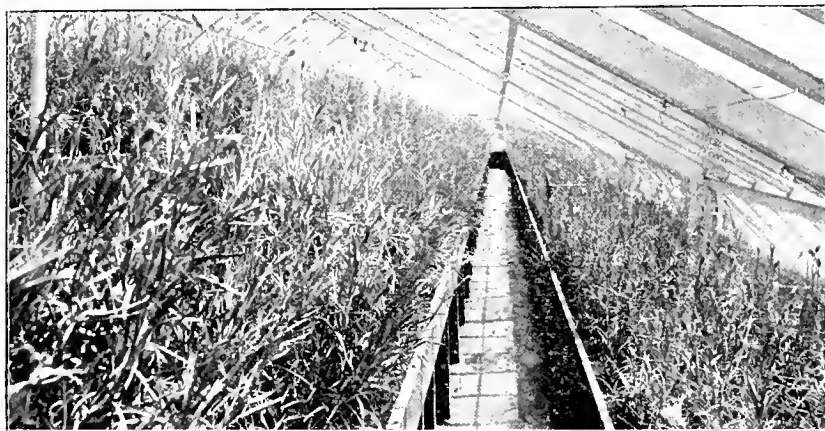
*Polygonatum multiflorum* is worth growing in a shady spot in the border; it likes the shade of tall trees and free circulation of air around it. The pearly white drooping flowers spring from the axils of the leaves all along the leafy stems, and come in peduncles of threes and fives during the months of July and August. The leaves are set close to the stem, which later grow 2 to 2½ feet high.

*Trollius europæus* is a moisture loving

very hardy plant, attaining a height of 15 to 20 inches and blooming from July to late fall. The flowers come on long erect and divided stems, are of a deep golden yellow, the petals being so much incurved that they form a perfect ball. A very desirable plant where abundance of moisture can be supplied. *Callirhoe involucrata* is a procumbent, rather spreading plant with large rich crimson funnel shaped flowers produced in very loose panicles all summer. An elegant perennial, but does not transplant well after plants get old, for it sends a straight strong taproot down some feet, and seldom can be dug up without injuring or breaking part of the root, therefore, if pot grown plants are not obtainable it is bet-



No. 14.



No. 15.



No. 16.



No. 17.

VIEWS IN THE GREENHOUSES AND ON THE GROUNDS OF DAILEDDOUZE BROS.

ter raised from seed; 8 to 10 inches is as high as plants will grow.

*Adonis pyrenaica* is a free flowering perennial of great merit for the border, the flowers are produced in terminal solitary heads on the much branched and divided stems, rich yellow in color and of round form, having 8 or 10 broad petals. The leaves are much divided and lacerated into fine narrow segments, resembling those of *Paeonia tenuifolia*. Large clumps of this showy plant are very ornamental, wherever planted, but it takes a few years before they will be well enough established and strong enough to make much of a show, and when once planted they should not be disturbed at all for many years. They are in bloom from July to September and do well in most any soil, but are rarely seen in collections; height 12 to 18 inches.

*Epimedium alpinum*, a very desirable plant for the rockery, bears a loose panicle of curiously spurred flowers, dark reddish and yellow in color: the leaves and leaflets are borne on rather long and thin stalks, which latter terminates in the flower spike. Height of plant about 10 inches, and the flowering time is August and September. *Epimedium pinnatum*, with bright golden yellow four-petaled flowers loosely arranged on a many-flowered raceme, has leaves broadly oblong cordate with irregular crimped or turned up edges. A fine object for the rockery, but should have abundance of water when planted in rather dry places. Also blooms in August and September and grows from 1 to 2 feet high.

*Senecio pulcher* blooms from August to October in large corymbose flower heads, deep purple in color with a yellow disk, attains a height of 15 to 20 inches. We seldom meet this plant, but it is a most desirable species, especially when massed together in a border or bed.

*Galtonia candicans* (*Hyacinthus candicans*) is a hardy bulbous plant, and when in flower has a stately appearance, growing about 4 feet high. The straight and stiff flower stems bear numerous large drooping pure white flowers, very fragrant and lasting a long while in perfection. August and September is usually their flowering time. The leaves are arching, 2 feet long or over, narrow and pointed, and the plants should be set out in large clumps close together in the borders or beds.

*Polygonum cuspidatum* bears great quantities of creamy white flowers from the leaf axils in rather long feathery and divided racemes. The leaves are roundish oblong and of a very dark glossy green, closely set along the thin and slender stems. A fine plant for the lawn or as a specimen in a prominent place of the border or shrubbery, grows fast and attains a height of about 4 feet, blooming August and September, and is largely used as a cut flower.

*Pyrethrum uliginosum* is well liked in cut flowers, blooms in August and September and bears a multitude of daisy-like single white flowers with a large yellow disk. The main stems are erect and stout, while the side branches are thin and slender, drooping half way over with the weight of the terminal flower, thus giving the plant a more graceful appearance. Although this species will flourish tolerably well in a dry soil it does far better in a rather moist situation, growing more robust and producing far more bloom; 4 to 5 feet is the usual height.

*Centaurea dealbata* now shows its pretty rose-colored flower heads, resem-

bling a bristly bunch of fringes. Not only the flowers of this robust growing plant are interesting, but the foliage also is very ornamental, and as a single specimen in the lawn or a prominent place in the border the large lobed and pinnate leaves, silvery white on the under side, are a great attraction until frost cuts them low. It flowers from August to October and grows 15 to 20 inches high.

Rochester, N. Y.

J. B. KELLER.

#### A Louisville Floral Store.

We present in this issue three views of the store of Mr. Fred C. Haupt at Louisville, Ky. The store is 25x90 feet. The large illustration gives a general view of the interior, while a smaller one shows one side of the store including ice-box; the latter is 12x9x4; it is movable as are all the other fittings of the store. Mr. Haupt believes that this is an excellent feature, as it enables him to make frequent changes in the interior arrangements, which he deems specially desirable. The third engraving shows the store window, which is quite out of the usual line. As is usual in photographing windows there are shown in the picture a number of objects from the opposite side of the street which are reflected in the glass, which naturally detracts from the appearance of the photograph. The show window is built of hard wood and is in the natural color of the wood. The vestibule is tiled and under the store is a basement 20x60 feet, freely lighted by electricity. This is used as a workshop, Mr. Haupt keeping in his employ, steadily, an expert wire worker. The storeroom proper is lighted by one hundred incandescent electric lights; a number of these are placed in the ice-box which, as noted, has a glass front. By simply pressing a button the interior of the box is lighted up, showing the stock to customers to best advantage without removing it from the box. In the rear of the store is a fountain with groups of decorative plants. In one illustration will be seen a little desk for the use of patrons, at which they may write cards, etc. to be sent with orders.

Sixteen years ago Mr. Haupt started as a boy with Mr. A. Lauer, for many years a leading florist of Louisville, at a salary of \$2 per week; working up from this small beginning to the handsome store illustrated, which is upon his own property, would indicate that Mr. Haupt is possessed of excellent business ability as well as knowledge of the trade.

#### Plants and Varieties for a Mixed Business.

The same subscriber who induced me to write that feeble effort "a small range of glass up to date" also asked for a list of the best varieties of the leading plants to grow. This would make quite a list, and will undoubtedly meet with criticism, for in different localities and soil the same varieties are not always successful. A few general remarks are first in order. There is no doubt that the man who makes a specialty of growing one or two kinds of flowers makes more money than the one who attempts to supply his customers with all their wants. We have department houses, 'tis true, springing up in every large city, notably London, Paris, New York and Chicago, where everything can be supplied from a sandwich to a white elephant. Yet they are not producers; they are simply dealers in what specialists have produced, the same as a retail florist, to keep his store well supplied, has to buy of many different

growers. In small cities the specialist has no place, not if he is going to cater to his neighbors; and the general florist must exist and will exist even in large cities for a long time to come, unless Bellamy's forecast comes true sooner than the date set for the advent of his insipid civilization. So if you have to fill an order for wedding decoration, make up funeral flowers, plant a flower bed, fill a veranda box and vase, fill a fernery, supply a palm and araucaria, keep all kinds of flowering plants in season, have a nice 25 cents worth of flowers for the cemetery, deliver a bushel of soil to Mrs. Brown, "send for palm, repot and return," "keep my azalea over winter," "send a man to trim up my vine," and numbers of other variations which I can't now think of, make up your mind you will have many vexations, and your temper will often be sorely tried.

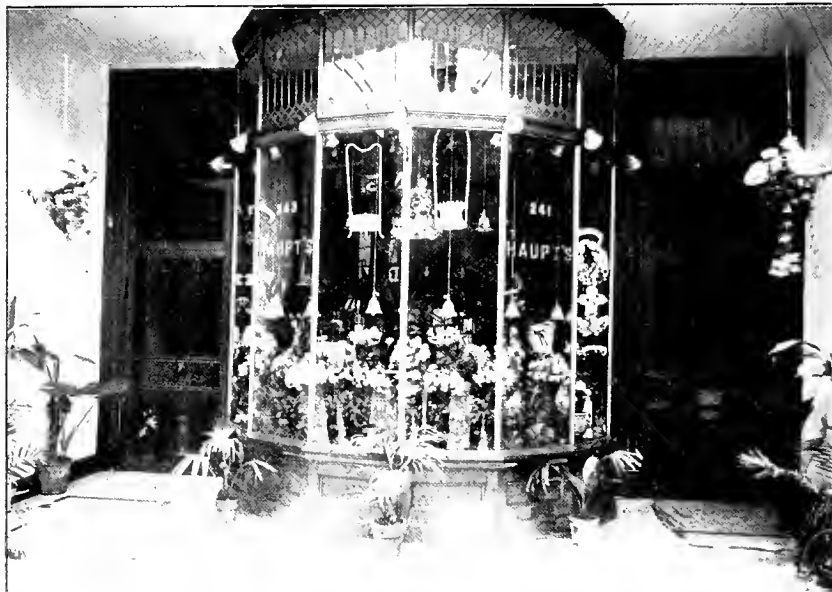
The greatest hindrance to making a good living with many florists who do a general business is they go into too much of a variety. Let curiosities and rare plants be left to botanic gardens. Keep

only that which is yielding you the dollar. You may have gone into the business "because you were so fond of flowers," but unless you have a good sized annuity or pension your fondness in a few years will have faded and the greatest charm you can see in a bed of roses, carnations or violets will be the dollar mark you see hovering among them. Never be afraid when a lady asks you for the Florida air plant to say "No, madam, I don't have any, they don't pay." It is most desirable to keep up a good supply of plants and flowers, but it is impossible to always have what is asked for, and you will never lose a desirable customer by saying you can't supply such and such. If what you do supply is A1, promptly delivered in clean slick style without slovenliness you will get all the customers your location demands.

Another thing, don't buy all the novelties that come out; depend on it, no new varieties are such an advance over existing kinds but what you can do for a year without them. The men who buy and



VIEW OF ONE SIDE, INCLUDING ICE-BOX.

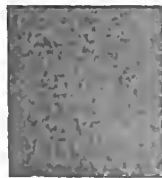


SHOW WINDOW.

A LOUISVILLE FLORAL STORE.

# A CHART OF CORRECT COLORS OF FLOWERS.

Arranged by F. SCHUYLER MATHEWS for the use of Florists.



1. PURE YELLOW



2. PURE BLUE

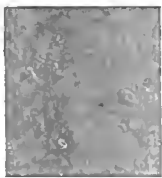


3. PURE RED.



4. RUSSET ORANGE

7. SCARLET.



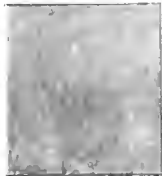
5. DULL ULTRAMARINE BLUE GRAYISH

10. SULPHUR



6. RED MARCOON.

8. VIOLET



9. DARK CRIMSON

11. PURPLE



12. CARDINAL

13. MAGENTA



15. BLUE-GREEN

17. CRIMSON

dull

18. PURPLE Madder

BROWN

15. DARK PURPLE.



These colors will lose their relative value if exposed to sunlight. They will last for an indefinite period if kept carefully covered.

It must be remembered that the colors of the chart are dull and lifeless, compared with the colors of nature, which, by comparison, will be full of fire and life. No artist's pigments are equal to the colors in the flower petal; therefore, although only a few chart colors are labelled dull, because of their pronounced dulness and the impossibility of obtaining brilliant pigments to print with, most all of the colors are dull, but absolutely true as to the kind of color.

The chart colors are adjusted to each other with absolute accuracy, and any deviation from an established simple name, as, for instance, Maroon, is emphasized by an adjective, viz.: Red Maroon or Straw Buffish, or Magenta Lilac.

To obtain the uninfluenced value of a single color on the chart cut a hole in a sheet of white paper about the size of the color square, and examine the color through the hole with the paper pressed flat on the chart; place the flower for comparison close to the color thus isolated. Use daylight only. Never use either electric light or gaslight for purposes of comparison. Artificial light is destructive of all nice distinctions of color. Carmine is a color almost identical with Pure Red, the latter is free of the slight tincture of yellow which characterizes the former

Cardinal Red is an intense color, used mostly in ribbon dye, and it is very common in the ranunculus poppy; but this color must not be confused with that of a Cardinal's garment, which is Cherry-Scarlet in hue. Solfiero is a Purple-Red, nearly like Magenta, but a trifle redder and paler, yet not at all like Crimson.

19. PURE ORANGE.

20. PURE PINK

dull

21. GOLDEN YELLOW

22. SALMON.

23. LIGHT PURE PINK

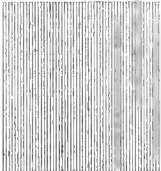
24. STRAW, BUFFISH



25. REDDISH SALMON

26. LIGHT LILAC

27. MAGENTA LILAC



28. SALMON PINK.

dull

29. LILAC

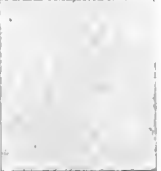
30. CRIMSON PINK



31. SCARLET ORANGE

32. TERRA COTTA BROWN

33. FLESH



34. BROWNISH FLESH

35. BROWN LILAC

36. OLD GOLD







GENERAL VIEW OF INTERIOR.  
A LOUISVILLE FLORAL STORE.

test new varieties are to be commended, but it is best left to those who can afford to give them a real trial. For instance, what is the good of one dozen new carnations for a trial? You will never get enough flowers off these few plants to be of the slightest object, and it will take you two or three years to get up a good stock, and while you have been fooling your time away with these alleged improvements you could have grown paying crops of the standard sorts. If you are in a large enough way to buy sufficient of a new thing, say 500, if it is really an improvement you are in it. I trust no disseminator of novelties will think I am decrying their business, but the general florist is not the man to experiment. Above all don't invent a boiler or heater; we have enough and your time is better spent in keeping the mildew off the roses.

For a city of the size for which I wrote about the range of glass you should, to begin with, grow only that with which you can be nearly sure of success. You can always order from a larger city what you don't grow, and it will pay you far better to do so than to have a bench of roses or anything else a failure. Nowadays all general florists depend on the large firms to supply their palms, ferns, and much other stock which it would be impossible to grow with a profit in a small establishment. In their season you should have, to begin in the fall, chrysanthemums in pots in October and November. Then later primulas, *Lilium Harrisii*, cyclamens, azaleas, poinsettias, Roman hyacinths. After the holidays will come Dutch hyacinths, lilac, cinerarias, pans of tulips and a greater variety of plants till Easter is reached. Easter is the greatest season of the year for the sale of plants. Then you should have *Lilium Harrisii* and longiflorum, hyacinths, azaleas (of first importance), lilac, spiraea, hydrangeas, cytisus, pans of tulips, hyacinths, narcissus and other bulbous stuff, pelargoniums, cinerarias and a few other seasonable plants. You

are not supposed to be clean sold out of all this sort of stuff, for after Easter comes a gay season of weddings, etc.

A good supply of flowering plants should be kept till the busy time of flower gardening comes in May and June. Then is when you will want quantities of geraniums, cannas, caladiums, verbenas, petunias, ageratum, climbing vines like *Cobaea scandens*, and a variety of drooping vines such as *vinca* and *senecio*. There is little demand for flowering plants in the hot summer months, but always some call for cut flowers.

I have strayed away somewhat from my subject and I feel that I have not yet answered the question I set out to do, and with your permission, Mr. Editor, I will in an early issue give a list of the palms, ferns, roses, carnations, 'mums, geraniums, cannas, fuchsias and other popular plants that I consider profitable and useful to the general florist.

W. SCOTT.

#### Our Telephone.

"Hello, Newport, when you can spare a moment for something besides yacht races and spinnakers just connect us with Mr. Carl Jurgens."

"Certainly, here he is now, and you're lucky to find him at home."

"Hello Mr. Jurgens. You've been keeping very quiet down there; we have scarcely heard from you since the great hail storm over a year ago. How are things in the City Beautiful?"

"Oh, we're all right. You see we don't try to rush ourselves to death here. What's the use? I like to enjoy my life as I go, and I am taking it easy. But we keep right along, and good roses there's no trouble to sell them, only we cannot give them enough of them on some days."

"Any traces of the storm left?"

"Yes, you can see the dents all over the sides of the water tower yet. I have *Augusta Victoria* and *Meteors* that had been just planted out when the storm struck us. The leaves were all torn off

and the topssmashed down. It was into October before we got the new roof all on, and I could show you that these roses are only just now getting recovered from the effect. *American Beauty* has never fully recovered. I had a light crop on them in June and a better one is coming on now for the summer demand, but you can still see plainly where they were stripped."

"Do you find the summer trade profitable?"

"Hardly. Summer trade is only intermittent. What could be made in six weeks' business? Oh, no. I build no more summer houses. You can't run the same houses for winter and summer; they must have rest. I rather take my chances at nine months' business than six weeks. Why build acres of houses for such a short season? No, there's no profit in it."

"What does the summer trade call for, mostly?"

"Only red roses are wanted now. *Beauty* they want the most. *Duchess of Albany* and *La France* there is no more call for. I had as fine roses as ever you saw, but they won't have them, and they are poor shippers, and we have to drop growing them."

"How about summer Jacqs and hybrids, which are said to grow so fine at Newport?"

"They are done for this market. I nipped back my Jacqs this season and got a fine crop, stems and foliage as good as could be, but they wouldn't look at them. They would sooner have *Meteor*. They like its color better. It's hard to get good roses at this season. *American Beauty*, they pop right out on hot days. *Lily of the valley* suffers from the hot weather too."

"Will you add any more houses this year?"

"Yes, I shall build anyway five houses two hundred feet long. I have not quite decided whether I will not try them with the short span to the south. Some who have tried them give me good reports of

these houses. Some of my older houses are even span; I like them. They give me a nice bench for ferns on the shaded side. I find ferns do very well there."

"What roses do you plant for winter?"

"Brides, Bridesmaids and Perles mostly. Perles are always good here."

"Do you prefer benches or solid beds?"

"I like benches better than solid beds for either summer or winter. You have the roses under better control. Summer benches we plant early in spring and after the season is over we fill them with pansies and so on. In solid beds we hold them over for several years and rest them in the winter. Oh yes, I like the benches best."

"Are you trying any of the new roses?"

"Yes, I have a bench of Belle Siebricht that I must say pleases me greatly. It is making a beautiful growth."

"Many thanks. Shall we see you in Pittsburg?"

"No, I don't like to travel in hot weather. It's pleasanter to sit on the piazza, or, when it is not too warm, go out for a nice easy drive. Don't work too hard."

#### The American Florist.

The details of the making of a newspaper seem always of general interest, and now that we have completed our tenth year a few notes about the making of the AMERICAN FLORIST may be of interest.

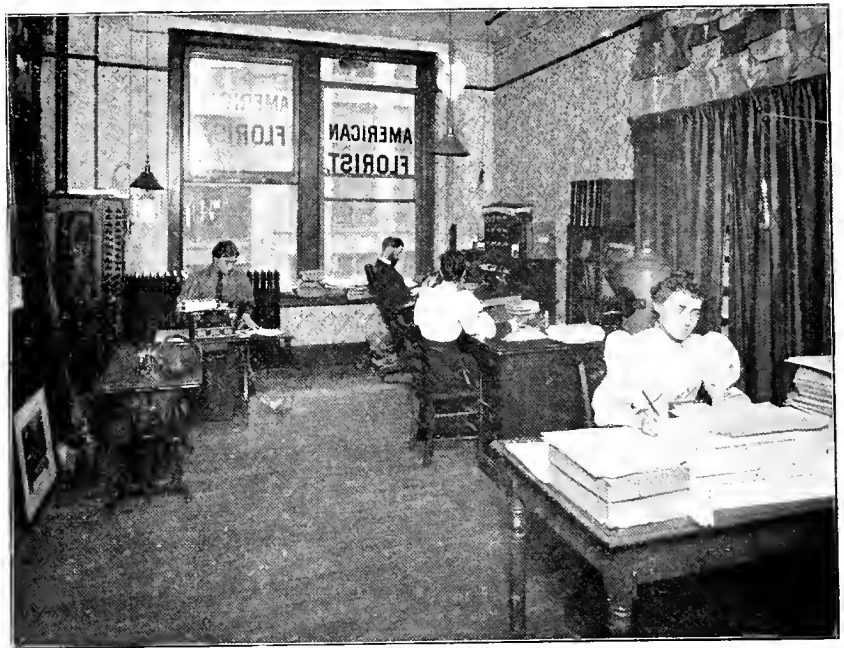
The accompanying illustrations give a fair idea of the home of the FLORIST. The editorial room, business office and composing room are connected, and here all of the work is done with the exception of the presswork, which is done on contract by a large concern making a specialty of such work, and which prints the paper each Friday night. The picture shows the three presses upon which the paper is printed. The copy, after being prepared for the printer, is set up and placed on single-column galleys, a rack of which are seen at the left in the composing room. This is later made up into pages, a few of which are seen on the imposing stones in the foreground. At the proper time these are locked up into forms, generally of eight pages each, and go to the press-room. These are printed Friday night. At 7 a. m. Saturday the sheets are taken in hand by the folders, stitchers and trimmers, closely followed by the mailers, and by noon the whole edition, never less than 6,375, and sometimes 8,000 to 10,000, is in the postoffice, with the exception of 300 to 400 retained for office use and to supply calls for back copies. While this issue is being mailed the office force is hard at work on advance material for the next one.

From Saturday to Wednesday it is a study to keep the compositors supplied with copy. Thursday the news reports from all sections come in a bunch and crowd the men to the limit. Friday comes the making up of the pages and forms, the squeezing in of late items when possible, and things move lively until the forms are ready for the waiting presses.

This issue, being of extra size, will require six or more presses to print it on time, and will eat up nearly two tons of paper.

#### Miscellaneous Seasonable Hints.

The end of this month is a good time to sow seeds of cineraria for Easter crop, and also primula if you want any to succeed those sown in May or June. Calceolarias can be sown end of the month. The seeds of the latter are very microscopic in size, and great care must be taken in sow-



EDITORIAL ROOM



BUSINESS OFFICE.

THE AMERICAN FLORIST.

ing. A good plan is to prepare the pan or pot by pressing down the soil perfectly even, then give a good watering, and in a few minutes sow the seed. After a little drying press down the soil slightly with something smooth, such as the bottom of a clean pot, no further covering is needed, only keep a damp cloth over the pan till the seeds germinate, then remove and keep the seed pan in the coolest place you have without being close and too shady. There are not many plants more showy and attractive than the herbaceous calceolarias. I don't recommend a great quantity to be grown, but a hundred or two are a great attraction. The great essentials to the success of calceolarias is a good porous loam that the water will pass through freely, a cool temperature, 45° at night in winter time

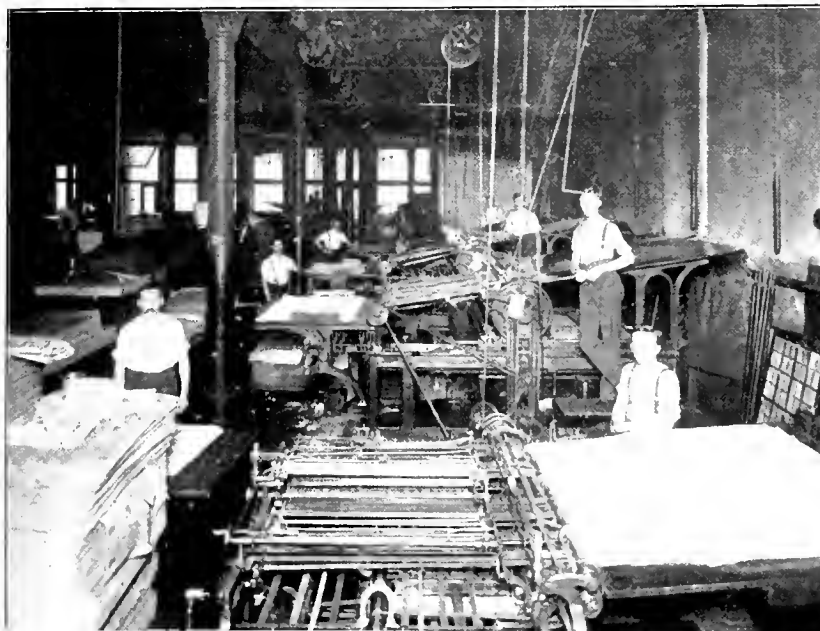
is plenty, not too much water on the leaves, none if possible, and avoidance of their persistent enemy, green fly.

If you are growing *Linum trigynum* for holiday trade it should be kept well pinched back; don't be afraid to go over with the shears. The more it is pinched back the more shoots you will have and the more compact will the plant be. Some may say "this plant is not satisfactory, it drops its flowers too quickly." I sold all I grew last winter and heard no complaints. It's true the flowers drop quickly but for every one that drops two open, and when well supplied with water it is a showy bush for weeks.

Another plant that will stand and in fact needs a lot of pinching or shearing is *cytisus*. Clip them whenever they begin to make straggling growth.



COMPOSING ROOM



PRESS ROOM.

THE AMERICAN FLORIST.

It is a little ahead of time, yet I may not have an opportunity to mention again that the end of August or early in September is a good time to take off a large batch of zonal geranium cuttings. If you have any amount of stock to rely on you need not bother about any propagating at that early date, for geraniums root much surer at the end of September than they do at the end of August. But if you are situated as I have often been, and need all the cuttings you can get, then take all you can early. There will be plenty of time for the plants to break out and provide another crop of cuttings before frost kills them. I have seen many a thousand geranium cuttings go off black when the weather was hot, early in September. Heat is the great difficulty you have to contend with in this early propagation. For this time of year they

root much surer in sand than in soil; flats 3 inches deep with an inch of soil in the bottom and 2 inches of sand on top will suit them, and the flats can be put into a frame shaded with sash, and have any amount of ventilation.

Poinsettias that have been grown under glass and struck from green wood in May and June will soon need their last shift, a 5 or 6-inch pot. The great object in growing poinsettias, besides having healthy plants, is to keep them dwarf, so they should be in the lightest house you have and have at this season all the air you can give them.

I was going to say a little about 'mums, as they are occupying a deal of our time just now, and this morning comes an enquiry from Govanstown asking if I pot the plants lifted from the bench about the first of September at once into the 6-inch

pots. Most certainly I do, so be prepared with a good batch of soil for that date, although if it was fresh soil you put them into in June on the benches that will do with the addition of a little bone dust. Friend Wood once said he thought before you went to convention a good time, but as I have tried several dates and lifted a good many thousands I still say along about the first of September is the ideal time. The size of pot will depend on the plants. Last year I put a hundred or two Lincolns into 8-inch pots and by the time they were in bloom they were by no means over potted. When lifting raise them with a fork clean from the bottom of the bench, and you will not lose a fibre, and that's the secret of keeping their leaves green to the pot. When potted they should be in such a position that you can shade them for a week or 10 days, with frequent syringing; after that they will be thoroughly rooted in the pot and will stand the bright sun, but don't put them out of doors unless you are hard pressed for room. No pinching should be done after they are lifted, in fact the middle of this month is late enough to do any stopping. Varieties differ a great deal in this respect. Ivory, Lincoln, and Whilldin naturally make fine compact plants with little pinching, while some sorts are entirely unfit for this purpose. J. E. Lager promises to be a grand pot plant, and several other of the new ones are looking all right in this respect. I have had a good deal to say about growing chrysanthemums this way to produce a healthy well-flowered, well-shaped plant, and I must be excused for once more saying it is the only way to get a good dollar plant, although many Lincolns grown in this way sold last fall for double and treble that price.

With the chrysanthemums on the benches which are to produce you fine cut flowers there is lots of work just now. Keep the surface of the beds clean and slightly but not deeply stirred up. They are now making their greatest growth, and lateral shoots must be kept pinched off. You have before this decided how many flowers you want to each plant. I let some go up to three shoots, some to two and about half of the whole lot to a single stem. Besides the laterals, which are now springing out from every joint, there are many varieties which make natural breaks, among them the gem of all chrysanthemums, Ivory, which is much prone to dividing its leading snoot into three. You must select the strongest lead and pinch off the other two. And do it just as soon as you can. With only 4 inches of soil to draw from and the great growth they make they need a mulch about about the time they are first forming their flower buds. Don't put on too heavy a layer at once, better to do it by two applications, but do it in time. It's little good after the flower buds are showing color. I speak of it this early, that you may get the material ready, half decomposed cow manure, with about one-third of loam, just to keep it from packing down too compactly, will answer well. Early varieties can be mulched sooner by three weeks than later sorts. I have not yet noticed any rust and pray I may not. It is yet early to see it although it is to be seen in the neighborhood. Last year it ruined with me several hundred plants of Whilldin, G. W. Childs and Golden Wedding, the latter worst of all. Two years ago I attributed the rust to shade on the glass, of which by the bye there should not be a speck now, but that theory was exploded last year by my having rust without any shade. I believe



the principal cause of rust, for which I have heard of no cure, is a close atmosphere, in other words insufficient ventilation. Whether this is the only cause or not, sure is it that you must give all the ventilation you possibly can to produce good stout stems and healthy foliage. Those who have the facilities for applying manure water without much cost need not trouble so much about mulching; yet with all that a light mulch is very essential, as it prevents much drying out of the shallow benches.

WM. SCOTT.



#### Carnation Notes.

The arrangement of benches for carnations is a matter which many growers are too apt to neglect. They are either too wide or too deep; but few get them too narrow, as this is almost an impossibility when we consider the width generally used. Many of our most prominent rose growers have adopted 2 to 3 feet for their stock, and I find that carnations do far better in benches of this size. Quite an expense to change all our benches, some will say. Not at all when you consider the result to be obtained. If your benches are five or more feet wide do as I have done, just make a path through the center by setting on edge two 4 inch boards one foot apart. This will leave you two good benches, from which I believe you will cut more bloom than from the original wide bench. Never have the side boards more than four inches high; then when the soil is put in level off, and after the plants are set you will have about three inches, as the soil is sure to settle. Our bottom boards are made of 5 inch hemlock, and are set one-half to one inch apart. To prevent the fresh soil from falling through we first put over the cracks a layer of coarse well decayed manure. If you can't get manure use excelsior packing, moss or straw. Do not put the soil on the bench until you are ready to plant. Fill one house at a time, and do it well; it will pay better in the end.

CHARLES H. ALLEN.



#### Chrysanthemum Notes.

All plants that are well established in the benches or pots will need very close attention in the matter of watering. The strong growth they are now making will require rather generous applications, and on the other hand we must not over-water those which do not have abundance of active roots. These differences in vitality or root action often cause failure in some varieties, while others mature perfectly, and so the bench system is sometimes considered faulty, particularly by

those who grow but a few plants of each variety. The best remedy we know of is to water sparingly, but often. Those who look over their stock four or five times on bright days, continually looking for the dry spots and avoiding the wet ones, will be well paid for this extra attention. Yellow foliage is the first indication of too much water, and it must be withheld until the soil is again in proper condition. When several dark days are followed by a very bright one, the growth being soft will wilt even when the ground is amply wet. A light syringing overhead every two or three hours will be very beneficial, being more effective than water at the roots.

The time is nearing when we shall see an occasional crown bud, but it is too early to think of taking them in any quantity. To those who desire to test early crowns for themselves we would suggest selecting them from the early sorts only until about the 25th inst., when some of the midseason sorts may be taken with safety. A shipping tag attached to such buds, giving the date when taken, and later making note of the size and quality of the bloom, will give valuable data for another year. From the 1st to the 10th of September is the best time for selecting buds for exhibitions occurring early in November, and would not advise an earlier date where this is the main object.

From this time on all lateral growth should be removed as soon as it appears, leaving only those you intend to produce flowers. Bench grown plants are generally restricted to two or three, while others prefer but one flower to the plant.

ELMER D. SMITH.

#### Chrysanthemum Society of America.

The annual meeting of the above society will be held in the Alvin Theater, Pittsburgh, Wednesday afternoon, August 21.

#### Phlox Paniculata.

As promised in last week's issue I herewith give a descriptive list of this most useful and in late years much improved class of phloxes. They deserve to be employed on a much larger scale in every possible way for parks and gardens, in borders and beds and shrubbery, being of such free growth and blooming profusely with the least care. Their fine colors vary from the vivid crimson to a pure snow white; their fragrance should recommend them to everybody. It would be almost impossible to give a complete list of all the known varieties, and I shall confine the description to a limited number of the most distinct kinds, most all of them introductions of later years.

Amabilis, brilliant salmon, shaded crimson, deep carmine eye, and extra large truss. Mermaid, very pale rose with crimson eye, a fine variety of medium height. Abundance, very dwarf in habit, but immense compact panicles of violet rose with a large white center. Henry Murger, extra large loose and spreading truss and perfect round well formed florets of a white with a well defined large clear carmine eye. Berenice, very soft pale salmon rose, washed with carmine and dark eye, large truss and flower. Czarina, very dwarf, pure white, a large compact truss. Lothair, deep rich salmon suffused with crimson and a dark crimson eye, large pyramidal panicle of loose and spreading habit. Flambeau, large round florets, the spike rather compact and of extra size, very brilliant crimson with a distinct orange shading and dark velvety center. Mrs. Laing, soft rosy lilac with

dark eye, a very pleasing shade, large and compact truss. Grosclaude, a showy variety, late flowering, rich deep crimson, shaded carmine and dark cherry red eye, very large panicle. Fandango, pure white, distinct pink eye, florets and spike both very large and well formed. Pluton, another very dwarf variety with large compact panicles of a clear rosy carmine and very round well formed florets. Regulus, delicate shade of rose, suffused with lilac and distinct dark eye, fine large rather loose truss. Ecclatante, vivid crimson, dark carmine center and extra large truss, a splendid variety. La Vogue, clear silvery lilac color, fine shaped panicle and perfect round florets. Cendrillon, very dwarf, mauve with a large white star shaped center. Fairy Queen, bluish white, with small salmon rose eye, a delicately colored variety, large loose panicle. Gitana, pale salmon rose suffused with crimson, dark crimson center, well formed large truss. Boule de Feu (fire ball) magenta crimson, a fine show variety with large compact panicles. Vierge Marie, pure waxy white, late blooming compact truss. Veiled Beauty, clear blush suffused and washed with soft salmon rose, carmine eye. Sechuival, an entirely new coloring in phloxes, irregularly striped and banded white and carmine rose and deep carmine eye, very large compact spike and of tall growth.

Jeanne d'Arc, pure snow white, good round florets and excellent truss. SALTERI is a variety with finely variegated foliage, the center of the leaves dark green and broadly edged with creamy yellow, very ornamental. Wm. Robinson, flowers and truss of extra large size, salmon rose and purplish crimson eye. Gloire de Neuilly, vivid crimson shaded carmine, one of the very best old show varieties, which in rich deep coloring has not been superseded by any of the newer introductions. La Croix d'honneur, having in the center part of each petal a well defined band of rose color on pure white ground, showing a perfectly plain cross in each individual floret. A good sized loose panicle. Amazon, pure white, large well formed flower and perfect pyramidal truss of great substance, one of the very dwarf varieties. Wm. Bull, white, suffused and tinged pale carmine and dark purplish crimson eye, large spreading panicle. Mrs. Scott Plummer, white, large and well defined carmine purple eye. P. Bonnetain, a peculiar shade of pink with bright rose center, an entirely new color in phloxes, large pyramidal truss and well formed round florets.

J. B. KELLER.

Rochester, N. Y.

#### Floralville Sketches.

II.

Floralville takes its title from its chief industry. Away back nearly a generation ago two or three enterprising gardeners, influenced in part by the over production and declining values in their own specialty, turned their attention to floriculture. Verbenas, feverfews and coleus took the place of young cabbages and tomatoes, instead of rows of lettuce and peas there were beds of petunias and tuberoses, and the borders long occupied by the old currant bushes were usurped by hedges of Madame Plantier, La Reine and Jacqueminot roses. The next step was frames and greenhouses, and it was not long before envious eyes and busy tongues were at work and the story of wealth easily acquired through the selling of plants and flowers began its travels. Then the man too incompetent or shiftless to prosper in his own trade, the



FIELD OF CUPID SWEET PEAS. [SEE PAGE 48]

woman "just crazy to live among the flowers" the man with "just room enough for a nice little greenhouse in the back yard," the man with money looking for an investment, one after another all fell into line, the familiar shingle "wreaths crosses and bouquets" was soon seen on every hand and Floralville history began.

In Floralville, as in other communities, people do not all think alike. One finds every conceivable style and construction of greenhouses, and that the business of floriculture is yet in the experimental stage is everywhere apparent. Here, as elsewhere, the man whose houses slope to the north looks with complacent pity on his neighbor whose glass lies the other way, while he in turn laughs at his competitor across the road whose establishment is strung together in a bewildering confusion of wings and angles facing every point of the compass and suggesting to the stranger that it would be wise to provide one's self with a map of the premises before entering thereon. Internal arrangements indicate an equal abundance of various and divergent theories. Steam boilers, hot water boilers, wrought iron and cast iron, sectional and tubular, large pipe and small pipe, overhead and under foot, uphill and downhill systems all have their advocates, and it is plain that the question of greenhouse heating is as far from final settlement among the good people of Floralville as it is elsewhere.

Some things, however, they do have in common. The greenfly flourishes equally as well on the juicy sprouts in the straight house as he does on those in the crooked house. The mealy bug asks not the style of the boiler or slope of the roof as he gathers his family together in the axils of the cape jessamines. The rose grub appears to relish his breakfast just as thoroughly in the Irishman's rose beds as he does in those of his next neighbor the German, and the violet disease falls indiscriminately on the just and the unjust. Indeed, both outwardly and inwardly, Floralville differs so little from other localities that there is nothing astonishing to be told about it, but it is said that wherever we go there is always something to learn and Floralville is no exception to this rule.

A wagon load of the craft is not an infrequent sight in Floralville, and the arrival of a delegation of visitors at the Buddenbloom establishment occasioned no surprise, for the proprietor stands

high as a successful grower and his personal qualities make him immensely popular, as well. Kindly and considerate in all his dealings, his genial disposition showing in every line of his face, you know you like him from the first. The visitors were commenting on this happy character as they rode along. "Budd tells me" said the philosopher, "that he has never yet had occasion to go inside a court house either as plaintiff or defendant. That's a pretty good record, to my mind. I tell you, gentlemen, look out for the fellow who is constantly going to law, who is forever complaining and roasting someone. He's been abused and cheated by A, insulted by B, sneers at C, is fully convinced that D is a rascal and in fact tries to impress it upon you that no one is quite upright but himself. What do you think about it, Sandy?"

"I guess you're right" said I. "It wouldn't make us fellows any poorer if we were to put a curb on our cussedness. If we cannot say a good word for a man better say nothing. He must be pretty bad if we cannot say something creditable about him."

That's so" said the rounder. "You've all heard of the old German who was called upon to say a few words at the funeral of a tough old fellow countryman and after racking his brain to think of something good in the life of the deceased the best he could do was slowly and impressively, 'Yes, Hans is gone. We all knew Hans; he vash a goot schmoker.'"

Arriving at Buddenbloom's, that worthy was espied coming down the walk in shirt sleeves, overalls and an expansive smile. "Better come up to the house first" he said, "you'll need something after your long ride."

"Ah! Tidings of comfort and joy; something that refreshes but don't bamboozle us, eh? don't say a word," spoke up the funny man stepping up briskly to the front, closely followed by the deaf man who understood just as well as though he had the best pair of ears in the world.

But we were all anxious to get to the roses, and ten minutes later found us walking single file up and down the clean dry walks between benches of luxuriant Brides, Meteors and Beauties; "every bud a wallupper," as James Hart of New York would say.

"Do you believe in holding roses over more than one season on the bench?" I enquired.

"No; no two year old stuff for me. There's too much risk about it and the way things are nowadays we can't afford to take any chances. We're sure of the young stock but not of the old. Still I confess that it's one of the hardest jobs I have to do, to pull up and throw out these fine plants, especially when the buds are selling, but it must be done if the young stock is to get a chance. There's one rose though that I think will stand a second season very well, that's Testout. In fact, its earlier buds are not good; they come bullheaded. Don't know why; soil too rich for them, perhaps. With age they do better, Testout is a fine cropper. Hold it back and dry it off a little and treat it as a hybrid perpetual and it will give you a grand crop of fine roses. I sulphur every house heavily before throwing the plants out; it kills the germ of all the pests. By the way, do any of you recognize that chap?" he enquired as we passed into a house of hybrids and pointing to a row of canes six or eight feet tall and still growing.

"Margaret Dickson," suggested our rose man.

"Right, and I'm wondering now whether they'll bloom before they get to the roof."

"Bend the canes over and you'll get them," said the rose man. "She'll bloom all right from the joints, you'll find. But there's no profit in forcing hybrids any more, whether they bloom or not."

"That's true enough enough," said Budd. "I make them pay only in connection with chrysanthemums. There's no money in them otherwise. I've got to have something to follow my mums and that is why I grow hybrids."

"What do you think of Brunner?" I enquired.

"The best all-round forcing rose in the whole list. A year or two ago we grew three Jacks to one Brunner; now it's two Brunners to one Jacq. Understand, Brunner is not a good outdoor rose, and to force in the early part of the season it is too double. For very early forcing we must take Jacq, Magna Charta, Diesbach and earliest of all Alexieff. And Prince Arthur; that's a good early one. It holds its color better than Jacq. But for Easter you want Merveille de Lyon, Rothschild, Luizet and Brunner, Brunner, Brunner. And we think Rodocanachi is pretty good too."

"When do you start Brunners to get them for Easter?"

"That depends upon how late in the season Easter comes. We allow them about twelve weeks on an average."

"Do you plant grafted stock?"

"Sure. You don't catch me with Bruener on own roots."

"Talking about roses" said the rose man, "I think we make a mistake in not giving enough attention to summer demands. There's Marie Guillot; it can be grown in any old house for summer crop. The plants can be potted up in fall and put away cold till wanted. And it makes probably the very best white pot rose for spring. A free bloomer and even cropper that is proof against changing weather such as Etoile de Lyon, for instance is invaluable for summer work. It will not force, but it is the ideal summer rose."

"Come on, come on, well never get through," shouted the funny man "you people are slower than Moses' off ox."

"Precisely" said the deaf man, "he's so used to it now that he does it in his sleep." SANDY.

#### Philadelphia.

The intense heat of the past week has been about as much as the average mortal in these parts cares to tussle with. There has not been any necessity for patronizing the Turkish baths for the purpose of getting up a sweat, the heat has been terrific. Not in eleven years has the mercury run so high. It is hoped, however, that by the time for convention the weather will be more agreeable. Business of course is at a standstill, little else being done beside an occasional funeral order. While the dull spell is with us we find the fraternity indulging in wholesome pastimes, and as this is the time for play the boys are taking advantage of it. Base ball, shooting, fishing, etc. come in for a fair share of attention.

The Florists Gun Club of this city were, by special invitation, the guests of the Hillside Gun Club of Wyndmoor, Montgomery Co., at their regular weekly shoot at the grounds of the latter club on Thursday, the 8th inst. This meet was not a competitive contest, but a friendly shoot. The following score gives the result:

	Hit	Missed
R. Bisbing	23	2
Geo. Anderson	21	4
John Burton	19	6
A. Reinhard	18	7
J. Feitsch	18	7
A. Carel	17	8
M. Bisbing	16	9
Thos. Cartledge	16	9
J. Unruh	16	9
Wm. Aiman	16	9
Geo. Craig	14	11
P. Laurent	13	12
Edw. Reid	11	14
Wm. H. Taplin	11	14
J. W. Colflesh	10	15
C. D. Ball	10	15
G. Unruh	7	18

After the shoot the florists wended their way to Brother Burton's, where dinner was served. After doing ample justice at the table the host invited the company to a drive, which brought them to Commodore John Westcott's place, where a number of the club members were already engaged in bowling. The arrival of the gun club contingent called for the re-organization of sides, which being fixed the game went merrily along until 12 o'clock, when without a murmur, other than praise for each other, the crowd melted away in good order.

The bedding in Fairmount Park is creditable and much admired by the thousands who visit this great pleasure ground, Mr. Thos. Mingey, the head gardener, may well feel proud of the results. Mr. Chas. H. Miller, chief landscape gar-

dener of Fairmount Park, is quite recovered from a recent serious illness.

Mr. Paul Huebner, the efficient chief of the horticultural department of the Phila. and Reading railroad, has embellished the plots surrounding the stations along the line of the different divisions of the road in a pleasing and business-like manner. Just how Mr. Huebner gets the great quantity of plants for this purpose is a mystery, as the greenhouse establishment of the company is not extensive.

Mr. Geo. Huster, as usual, has the grounds at Girard College in a perfect state, the planting this season is up to date in all respects.

Mr. Chas. Sim, the popular landscape gardener of Rosemont, has recently purchased a farm in Delaware county. Charlie seems to have a weakness for fish, as one of the first operations commenced on the ranch is a fish pond, and now we hear him asking his friends to give a fish or two for the new pond. Those wishing to donate will remember that any variety will be accepted, but the line is drawn on deceased fish or fish salted or pickled.

Saturday, August 10, is a day long to be remembered by the growers out at Lansdowne. There has been for some time a little chafing under the collar of some of the prominent base ball florists in this district, and they came together on the above date to settle the question of supremacy. They lined up in this way with the scores affixed.

Pennock's nine.	Runs.	Connor's nine.	Runs.
W. Robertshaw	1	P. Daveu	3
J. Riley	2	J. Connor	2
John Conway	0	J. McCoy	4
J. Leary	1	W. Anderson	2
W. Fowler	4	D. T. Connor	0
M. Woodruff	4	C. Schmidt	1
J. L. Pennock	6	C. F. Whitely	1
H. S. Pennock	4	M. Myers	1
S. S. Pennock	4	R. Fowler	2

Total 26  
Umpire, Morris Langan.

The playing of each and every one of the gentlemen was faultless, but there are times when gentlemen will try to outdo each other in these friendly contests, and this personal pride is pardonable, especially under these exciting conditions. The star player in this game, however, was none other than our handsome co-laborer Frank Whitely. Frank put up a good game and his wicked hits at the sphere were made with such force that a chilly draft sprung up every time we heard his bat say whiz. Brother Frank is of a modest nature, hence the slender score to his credit. The Pennock nine knowing of his bashfulness gave him the opportunity of having four strikes at the ball, whereas the rest of the players had to be content with three strikes. Frank says the Pennock nine did not do the fair thing, as they bunched the Pennocks all together, he proves this assertion by pointing to the score card. There they are sure enough all in a bunch, laying for Frank. This seems wrong, as the Pennocks should have been distributed more evenly among the players, or else Mr. Whitely should have been on the Pennock nine.

Horticultural Hall is now looming upwards, the first floor is up (this is the iron work), and work is going right along. The first accident has been recorded in connection with building, a few days ago a mast of the derrick fell, breaking the wrist and splitting the ear of one of the workmen. There will be a brief and informal ceremony on the occasion of laying the corner stone at the Hall by the Horticultural Society the 15th inst.

Mr. E. C. Reineman, who has been with his family at Atlantic City, made a brief stop in this city en route for Pittsburg.

Mr. Reineman being the vice-president of the S. A. F. was returning home to get in to the work which is before him in connection with convention matters. Other recent visitors to the city were: Wm. Crawford of Strauss & Co., Washington, D. C.; Ed. Feiser of Kennicott Bros. Co., Chicago, Ill.; Phillip Breitmeyer, Detroit, Mich., and J. G. Brown, Reading, Pa.

The commission men report outdoor grown carnations coming in by the thousands, of course they go, but where? the dump.

The result of the heavy storm which occurred on Sunday night, the 11th inst., in the vicinity of Chestnut Hill was the demolition of the windmill at Mr. Edwin Lonsdale's place. Flying debris caused slight damage to the glass at Mr. Burton's, which adjoins Mr. Lonsdale's. The chimney on Mr. Lonsdale's house was blown over, and glass to a small extent broken in the greenhouses was the extent of the injury at this place.

There is considerable activity among the florists' supply merchants in this city, both in sales and preparation for the approaching convention. H. Bayersdorfer & Co. report good business and state that their exhibit at the convention will surpass all former efforts. This firm will receive by the steamship Pennsylvania 527 cases containing cypress leaves, metal work, new immortelles, baskets, etc. This looks like business. M. Rice & Co. report satisfactory trade, and intend making a fine display at the convention. The trade exhibit at the annual convention would not be complete without this branch of the florist trade, which affords many the opportunity of seeing a fine stock of goods without traveling to the business centers. F.

Albert Woltemate, the popular florist of Germantown, is very ill with typhoid fever, consequently he will not be able to be present at the Pittsburg convention. Mr. Woltemate has the sympathy of his numerous friends. He belongs to the Florists Gun Club of Philadelphia. Mr. W. was a member of the bowling team representing Philadelphia which competed at Buffalo in 1889.

#### New York.

At the monthly meeting of the New York Florists' Club the following committee report was presented:

"In November, 1894, a committee was appointed from this club charged with the duty of seeking to bring about the levying of a uniform tariff on all stock imported into the various ports of the United States, which purpose was sought to be achieved through an accepted classification of plants, in order that such as were entitled to free entry under the law be thus passed, and such as were dutiable required to pay duty uniformly in all cases. In January, 1895, a classification the result of the work of your committee, was drawn up, based upon universally admitted facts and submitted to a convention of appraisers of all the United States ports of entry then in session in this city, and also to the board of general appraisers in New York. This action on the part of your committee resulted, last April, in the issue of circular No. 65 by the Treasury Department of Customs Division at Washington, in which the classification agreed upon by your committee was adopted and recommended to be uniformly ruled upon in the various ports of entry of the country, with the exception of the following items:

"Azaleas.—Your committee held that Azalea indica only was dutiable, and that



VIEWS IN THE CONSERVATORIES OF THE ALLEGHENY CITY PARK.

the perfectly hardy species, being nursery stock, should be free; whereas the appraisers still continue under a recent decision of the board of general appraisers to levy duty on all species of azaleas. Lily of the valley clumps, we claim, were correctly classed as not dutiable; this stock is also by the above ruling compelled to pay duty. Roses.—Your committee claims that tea and noisette roses, under paragraphs No. 587 and No. 234½, were the only classes dutiable; the appraisers continue to levy duty on roses—all classes, including tree roses.

"Your committee went over the whole subject carefully, and as their classification was made on generally recognized facts by all parties in the trade, would respectfully recommend, in view of the rulings as above stated, that a test case be taken into the courts, and believes that such a case could not but result in a decision favorable to the club's classification.

"In view, however, of the expense, and the question being an important one and of national interest to the trade, we are of opinion that this is a matter which the Society of American Florists should

take up. If this be the sense of the club, and that the matter be taken before the S. A. F. at its forthcoming meeting, your committee will be pleased to see that this is done in a proper manner."

A vote was taken and the recommendation that the matter be presented before the Society of American Florists at Pittsburgh was unanimously adopted.

Mr. H. C. Rath reported that the transportation committee was attending to its duties and was instructed by vote to extend the courtesies of the club to all visitors coming to New York on their



way to the convention. Captain Leuly of the bowling team also reported that everything was in readiness in his department and expressed his humble opinion that the New York team ought to come out first at Pittsburg. President Allen urged upon the members present the importance of their attending the Pittsburg meeting, which he said would be in some respects one of the most important in the society's history, and similar sentiments were expressed by Mr. Jas. Dean. John White of Elizabeth had on exhibition a handsome variegated-foliaged canna said to be a cross between Emilie Le Clair and Adolph Weicke.

Among the supply men considerable activity is beginning to develop. Jos. Rolkcr, who in the absence of his brother Winfried has the responsibility of the establishment on his shoulders says that he is "too dog gone busy to even read the trade papers" and is counting the hours until the 17th or 18th inst. when Mr. Winfried is expected home. In the mean time truck loads of cases are going into the cellar. By the way, the Frenchmen appear to be at it again with the Roman hyacinths. Dealers in this staple commodity are running around trying to make themselves whole on orders which the foreign houses accepted but are now trying to evade. Keep a sharp lookout on this season's developments.

Cut flower business continues very dull and the quality of stock coming in is about as poor as it can be, in the majority of cases. Louis Schmutz asserts that "the weather is fine for rubber trees" but there is little in it to enthrall the rose growers, as anyone who looks into the boxes of roses that come to the commission dealers will readily see. Carnations are in the same condition. Why will growers waste their room and their time on such asters as are being sent to this market at present? There are bushels of big coarse semi-double blooms with yellow centers coming in under the name of white asters that are absolutely worthless for any purpose. Good seed occupies no more space and takes no more care than this rubbish demands from the grower.

Walter Sheridan has lost the services of a valuable assistant by the death of his brother-in-law, William J. Winans, who has been with him for the past two years. Mr. Winans was stricken on Thursday and on the following Tuesday, August 13, succumbed to a violent attack of appendicitis. During the short time he has been connected with the wholesale business he made many friends who were attracted to him by his cheery good nature, the honesty of purpose which characterized all his dealings and his conscientious desire to follow the Golden Rule. Many are the friends and business acquaintances who will miss Bill's cheerful greeting and his loss will be felt severely by his family and the intimate friends who so well appreciated the many excellent qualities which he possessed.

John I. Raynor has been confined to his home sick with pleurisy, but at present writing appears to be improving.

E. C. Moran has gone off for a brief vacation. M. A. Hart is expected back from Europe in a few days.

I. Eisenberg, Long Island City, is adding two new houses each 20x90 and a cold house 12x90. Heating by Weathered.

Visiting New York, J. H. Rebstock of Buffalo.

#### Boston.

The approach of the great Triennial Conclave absorbs Boston's attention just

now to the exclusion of everything else. S. A. F. conventions included, and furnishes the stay-at-homes with a very available and seasonable excuse for not going to Pittsburg. For, don't you know, there's going to be a lot of decorating done and we must be on hand to get ready. There is unquestionably a very good foundation for their plea this time, which was not always true of the stock excuses of former years, for it is evident that there will be quite a heavy run on floral and plant decorations and considerable money will be distributed among the florists, an unusual midsummer windfall which is much needed and will be appreciated accordingly. For this class of work there is considerable showy outdoor stuff which will be available. Japan lilies and the first hydrangeas and dahlias will be in and there are the perennial phloxes, asters, gladioluses, cannas and ornamental grasses in endless quantity. For the choicer work there will be an abundance of carnations and a fair cut of buds from the young roses, and there are a good many fine nymphæas on the market which can be made good use of.

At the last Saturday exhibition of the Mass. Horticultural Society there was a grand table of gladioluses extending the entire length of the hall. These were contributed by John P. Spaulding, J. Warren Clark, W. H. Cowing, James Comley and W. E. Endicott. W. H. Cowing's set of new varieties of Nanceianus and Lemoinei was very fine. Phlox Drummondii, for which special prizes were offered, was shown by L. W. Goodell, Dr. C. G. Weld, John P. Spaulding and others. Mr. Goodell's collection was superb, and showed an advance over any shown hitherto. There was a tank of showy nymphæas from Oakes Amcs, and a promiscuous display of dahlias, begonias and other seasonable flowers, which with the choice fruit and vegetables made altogether a most attractive exhibition, and the attendance was as usual, large.

Visitors in town: Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia; Jas. H. Fraser, representing R. L. Merwin & Co., New York; John S. Cope, from Andorra Nurseries, Chestnut Hill, Pa.; Wm. R. Phillips, from Thos. W. Weathered's Sons, New York; Miss M. S. Newman and Miss Armstrong, St. Louis; John A. Shellem, Philadelphia, and J. J. Gormley, Chicago.

Jones, McDuffee & Stratton are unloading another big consignment of fancy plantpots from England, China and Japan.

Bruno Behrend has leased the green-houses of F. L. Hardy at Natick.

#### Buffalo.

Since our dry spell broke up two weeks ago we have had lots of showers, and it is now decidedly hot and humid. There has been a good deal of funeral work of late, and that's about all the business there is. Our neighboring city, Lockport, lost its most prominent citizen last week, Mr. Hodge, grand treasurer of the A. O. U. W. of the State. His funeral called for much fine and elaborate floral work.

We are very pleased to see in the FLORIST that there will be a shooting contest at Pittsburg. We hope it won't put our good friends to much trouble, but it will be greatly enjoyed by many.

The annual florists' picnic came off on Friday at the pretty resort, the Bedell House, on Grand Island, down the Niagara River. It was in every respect a more elaborate effort than was ever made

before. The committee who had entire charge of the preparations, S. A. Anderson, John Milley and George Asmus, deserve much credit for their work. Good management was shown all around. When the little steamer was gliding down the majestic river we counted about ninety aboard, including a large sprinkling of mothers, wives, sisters and sweethearts. There was music for the dancers and a grand pavilion to dance in. As one young lady from the east side expressed it, while the writer was attempting the two step. "It's the best floor I have struck in a long time." About eighty sat down to a well served supper with president Keitch presiding. Very little speech-making was indulged in. Mr. Keitch said several pleasant things about the good work of the committee, the great success of the picnic and the coming convention. W. Scott responded for the prize winners. Miss Rachel Rebstock and E. I. Mepsted spoke for the ladies, and S. A. Anderson for the committee. The crowd was not of the sort to listen to talk, so they broke up at that and rushed for that beautiful floor. As usual there are always plenty of sweet girls able and willing to dance, but the young florists seemed to be tired with their athletic games. As premium dancers Mr. Anderson and Mr. Sage of Rock City easily took the cake. At 10 p. m. the whistle blew and after a lovely moonlight ride of an hour we were home, all agreeing that it was a complete success. We noticed the absence of half a dozen of the employers. We got along without them, but they should have been there. The writer thought he knew all the florists in Buffalo, but such is the growth and development of this city that he was introduced to half a dozen whom he had never heard of, much less seen, before.

The ball game and sports were of course the chief feature. I will give you the names of each team and that will suffice; on one side was S. A. Anderson, c. and captain; Steve Jones, p; G. Asmus, 1b; W. C. Beuchi, 3b; C. Jones, 2b; J. Milley, ss; E. I. Mepsted, lf; L. Hock, cf; L. Stroh, rf. The other side was Phillip Scott, c. and captain; W. B. Scott, p; W. Webber, 1b; G. Eckert, 2b; J. Bishop, 3b; Wm. Scott, ss; J. Jones, lf; W. Kasting, cf; and M. Hiser, rf. Captain P. Scott's team won by a score of 9 to 5. The fact of the matter was the batting on both sides was far too good for the balance of the players. But it was a sharp snappy well played game. Then came the games.

All the races were handicaps and left to the discretion of Mr. Mepsted; the first was old man's race, 100 yards, although their ages were all the way from 40 to 60. W. Scott, 10 yards start, won with G. McClure, 5 yards, second. The young men's race, 100 yards, was won, by G. Asmus, 15 yards start, second, L. H. Neubeck 7 yards and P. Scott, scratch, third, time, 11 seconds; 220 yard race, P. Bole 30 yards, first; W. Kasting, 20 yards, second. Boy's race 100 yards, F. Sadler, first; D. Scott, second. Girl's race 75 yards, Bell McClure, first; Nellie Scott, second. Hop, step and jump (handicap) P. Scott, scratch, first, 37 feet 10 inches, W. Webber (3 feet given) second. The last event on the card afforded a good deal of fun; it was running the bases. A man was stationed on each bag and the runner had to go on the outside; the distance if you could keep the base line is 120 yards but you have to run much further in making the circuit. Each competitor took a crack at a tossed ball and then off, G. Asmus won, time 18¾ seconds; S. A. Anderson, second, 18¾ seconds. P.

Scott took a tumble at the first bag and was out of it, but took another trial for exercise and got round in 17 seconds flat. D. B. Long when not occupied as a competitor was master of the ceremonies, but he entered into the games like a frolicking kid. Mepsted's handicapping gave general satisfaction. A silent round gentleman sat on a table in the rear of the field and I noticed he was a general favorite at the conclusion of every event; it seemed an excuse to run up and congratulate the old gentlemen. Much as he was appreciated I noticed as soon as the sports were over he was utterly neglected and having no mean of locomotion except rolling he was left alone in his empty glory. This is enough of the games I am sure; it did old and young alike a great deal of good.

There is a florist out of a job here and he is going round the streets with a wagon load of palms, calling from door to door and offering them at 50 cents each, such plants as we buy for \$1 each; how it's done I don't know. This is much worse than Greeks and fakirs selling roses and violets, for they get rid of second class stuff and mostly sell to people who would not patronize stores. W. S.

### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—Permanent, by good, all round florist and gardener; only two places in nine years; married. HENRY, care Am. Florist.

**SITUATION WANTED**—In a private or commercial place; 8 years' experience; married; no children; good, well recommended. M. L. care Am. Florist.

**SITUATION WANTED**—By young man, age 26, in florists' store; 10 years' experience; reference. HARVEY C. SHEAFF, 508 Smithfield St., Pittsburg, Pa.

**SITUATION WANTED**—Either as gardener or as salesman and designer for store; long experience and good reference. Address H. K. care Am. Florist.

**SITUATION WANTED**—By landscape gardener. Competent for superintendent; 29 years' experience, mostly in parks. Address CHAS. FRESE, 1000 Fairfield Ave., Chicago.

**SITUATION WANTED**—As foreman by a first-class rose grower and propagator; commercial place; superior experience, sober and trustworthy. W. H. WATERER, 107 S. 7th St., Philadelphia.

**SITUATION WANTED**—By design and bouquet worker, 12 years' experience; will accept \$11 to \$12 per week if permanent; city or country. L. S. DOWNING, 727 So. Chicago Ave., Chicago.

**SITUATION WANTED**—By competent florist in the cultivation of roses, carnations, violets, mums, palms, general plants; 30 years' experience in England, States and Canada; English, age 41, single, discharged 2nd September. G. H. M., Box 294, Brockville, Ont.

**SITUATION WANTED**—By young man as book-keeper, office assistant or correspondent in florist or nursery business; familiar with all varieties of plants and trees; references as to character and ability. Address R. B. W. Dystinger, Niagara Co., N. Y.

**SITUATION WANTED**—By single young man with several years' experience in general greenhouse business, now open for engagement; no objection to going to any part of the country; sober and reliable; good references. Address with full particulars PRACTICAL, General Delivery, Lockport, N. Y.

**SITUATION WANTED**—As foreman or manager; experienced in growing roses, carnations, chrysanthemums, plants, bulbs, cut flowers and bedding plants, also understands general nursery stock and landscape work; 31 years of age, married; references. Address PRACTICAL, care American Florist.

**SITUATION WANTED**—By florist and gardener, German, 45, married, no children, on gentleman's small place; 25 years' experience in commercial places and private; all greenhouse, vegetable, fruit culture; best references; \$30 a month, rent and coal; no cards; letters stating full particulars only answered. FLORIST, P. O. box 19, Oakes, Ulster Co., N. Y.

**WANTED**—Agents to sell Child's Ralamaker nozzle. M. M. JONES, Gen'l Agent, 612 Oglesby Ave., Chicago.

**WANTED**—An 8-horse power hot water boiler, sec-ond hand; must be in good condition; not to exceed \$400. S. J. LONG, Petoskey, Mich.

**WANTED**—Two young men to work on roses and carnations. Address with references and wages expected. JOHN IRVINE CO., Bay City, Mich.

**WANTED**—A capable gardener for care of greenhouse and garden, private; wages \$30 a month. Apply at once to THOMAS PETERSON, 1120 9th St., Moline, Ill.

## HIS LITTLE PIECE.


G. C. WATSON craves the favor of the floor for a few minutes to speak his little piece. It will be very brief.

**FIRSTLY:** He begs to thank the many Seedsmen, Nurserymen, and Florists for their patronage during the past three years; and to say that he is now in better shape than ever, at his little corner at 43 North 10th St., Philadelphia, to give them efficient service in his special lines.

**SECONDLY:** He wishes to extend a cordial invitation to those who have not yet had dealings with him. Although this is but the third year since he started on his own account, he has been 19 years in the seed and bulb trade altogether (8 yrs. in Europe and 11 yrs. in the U. S.), so that he may claim to know something of the business, but not too much. He has to keep hustling to keep abreast of the times, and like Little Alice "watch out" lest "the gobble-uns get him."

**THIRDLY:** He wishes to state that he does not spread out over the whole field, believing that the better method for him and his customers is to cultivate a small patch, and do that well. He does a jobbing business exclusively, and does not keep a retail store. His specialties are **Bulbs for Florists, Florists' Flower Seeds, Mushroom Spawn, Fancy Grass Seeds, Clay's Fertilizer, Guano and Bird Seeds.** Where merchandise, such as Seeds, Bulbs or Mushrooms, are consigned to him on commission the same receives careful handling on a moderate percentage.

**FOURTHLY:** All orders, large or small, receive the same careful attention. Send now for new price list of Bulbs, Mushroom Spawn, etc. Special prices by letter where quantities are mentioned. A trial order respectfully solicited.



**G.C. WATSON**

CLAY'S FERTILIZER.  
BIRD SEEDS.

43 North 10th St.  
**PHILADELPHIA, PA. U.S.**

**WANTED**—Competent stenographer with good knowledge of the seed business. Address, with references and stating salary expected. X. Y. Z., care American Florist.

**WANTED**—A competent man for palms, ferns and general greenhouse stock. Must have first-class references. Address H. F. HALLE, 548 West Madison St., Chicago.

**WANTED**—A competent man for cut flowers and general greenhouse stock. Address with references and wages expected. I. L. PILLSBURY, Galesburg, Ill.

**WANTED**—A young man (German preferred) for general greenhouse work; must be honest and industrious, state wages wanted. ERNEST NITSCHIE, Dallas, Texas.

**WANTED**—An experienced greenhouse man to be second in command of a large commercial house; German and unmarried preferred. W. S. LITTLE & CO., Rochester, N. Y.

**WANTED**—Young florist with first-class references, willing and competent to take charge of 5,000 feet of glass in plants and cut flowers, retail. "FLORIST," 229 West Ave., Lockport, N. Y.

**WANTED**—First-class grower to assist taking charge of large greenhouse; must be diligent; single man preferred. Address REINBERG BROS., 51 Wabash Ave., Chicago.

**WANTED**—Good man to grow carnations, roses, chrysanthemums and general stock; state age; married or single makes no difference. Answer at once. ALFRED PAHLD, Crown Hill Cemetery, Indianapolis, Ind.

**FOR SALE**—At good figure, one 14-section boiler, either steam or hot water; good as new. Address LEWIS TURNER, Kenosha, Wis.

**FOR SALE**—An 8-horse power steam boiler, used for hot water; in good condition. Price \$75.00. I. L. PILLSBURY, Galesburg, Ill.

**FOR SALE**—Two boilers one 12-horse power tubular boiler and one Wilks hot water heater. Address JOHN P. TONNER, P. O., Mont Clare, Ill.

**FOR SALE**—10 feet of 4 in. pipe as good as new for 10 cents per foot cash. CHAS. L. MARSHALL, 707 Stevens St., Lowell, Mass.

**FOR SALE**—100 feet Hitchings heavy 4-inch pipe cheap. For price and particulars address THE FLORAL EXCHANGE, 614 Chestnut St., Phila.

**FOR RENT**—A florist and vegetable business, established 34 years; three greenhouses, thirteen acres land, all in good condition. Box 60, Phillipsburg, N. J.

**FOR SALE OR RENT**—Greenhouse and celery garden, good business, bargain; also competent Christian man wanted for greenhouse work. W. J. OLDS, Union City, Pa.

**TO RENT**—Desirable greenhouses and florist's business; established over 25 years; first-class trade, and everything in order for favorable business. Full particulars, with reasons for renting, furnished on inquiry. Address H. M. FORBES, Meriden, Conn.

**FOR SALE**—A rare chance. A modern greenhouse property in one of the best business cities of Missouri; no opposition; \$20.00 net profit can be realized annually, and can be greatly increased; everything new; write at once for particulars. No better paying business in the U. S. for the money. Address JAMES GELVEN, Mexico, Mo.

**FOR RENT**—Large commercial greenhouses, suitable for growing carnations, violets and all kinds of plants; a good location in the center of town on the railroad, near Phila.; a large trade for vegetable plants in season. They will be well stocked with carnations, violets and smilax for winter blooming by Oct. 1st. Address POST OFFICE BOX No. 367, Oxford, Pa.

**FOR SALE OR LEASE.** Three greenhouses 30x40, one greenhouse 10x20, new Boynton hot water boiler, 2-inch wrought pipe; houses well stocked and in good repair; fine town, 10,000 people; business good. Address J. W. TALBOT, Nevada, Mo.

**FOR SALE BOILERS.** Several good second hand tubular boilers, 39 to 44 H. P. in good order; just the thing for greenhouse heating, either for steam or hot water, will be sold cheap. Cleveland Steam Boiler Works, Center Street CLEVELAND, O.

**WANTED—PARTNER** in florist business, one of best stores in Brooklyn doing large business; must be a practical man with \$1,000 cash. Write at once "BROOKLYN," care Am. Florist, Chicago.

## NOTICE.

For some time I have been receiving letters from brother florists and others to the effect that some villain has secured a loan from them, amounts varying from one to ten dollars; said party claims to be W. L. Morris, the Florist of Des Moines, Iowa, and evidently tells a tale of being on his way home, and run short of funds, etc., etc. I wish to warn my brother florists that I don't do business that way and don't have to, and if they assist anyone who represents himself to be me they need not look to me to settle it. Better have the rascal arrested and give him the full extent of the law. W. L. MORRIS, Des Moines, Ia., Aug. 12, 1895.

St. Louis.

Weather very hot and little doing; one or two florists report a funeral order now, and outside of that nothing. The commission men sell at the buyer's own prices just now. Michel Plant and Bulb Co. are sending in a large amount of fine gladiolus.

Mr. Tom Peterson, now at Moline, Ill., will return September 1 and take a position with R. F. Tesson at West Forest Park.

The Florists' Club meeting Thursday night, August 8, was not as well attended as it should have been; it was a very hot night and kept a good many away. The motion to change the meeting from evening to afternoon was read for the second time and was adopted. Mr. Max Herzog's application was read for the second time and he was elected a member. Mr. F. W. Ude of Kirkwood, Mo., made application for membership. The committee reported rates from the railroads for the S. A. F. meeting. It was reported that only a few florists are going this year. Some claim to be behind in their work, others scarcity of money, and other excuses. It looks now as if only three or four, perhaps five, will go to Pittsburg. Any florist wishing to should call on J. W. Kunz at the Jordan Floral Co.; he will give him full particulars of transportation.

Election of officers was next in order. The nominees for president were H. Young, F. Weber, John W. Kunz and Frank Fillmore, resulting in the election of Fillmore on the second ballot. For vice-president the nominees were C. A. Kuehn and J. J. Beneke; Mr. Kuehn was elected on the first ballot. E. Schray for secretary and John Young for treasurer were elected unanimously, having no opposition. For trustees the nominees were A. Waldhart, C. C. Sanders, Henry Ostertag, R. F. Tesson, Henry Berning, Wm. Ellison and Tom Carroll. The successful candidates

were A. Waldhart, R. F. Tesson and C. C. Sanders. For the good of the order Mr. Gutzman made a few remarks, in which he said he thought it would be a good thing for the club to appoint some one to write an article to the daily papers about building a greenhouse for private use. To his mind he thought the architects of a large city who build fine residences with greenhouses attached to them do not know the proper way to build them, the result is they freeze out in winter and people get disgusted with them and have them torn down and done away with, the florist losing many a dollar in consequence. If they were properly built and properly heated with steam the owners would take a great pride in them and lots more of them would be built. The club thought well of Mr. Gutzman's remarks and appointed Mr. R. F. Tesson to write an article to the local papers, after which the meeting closed. Next meeting is September 12, at 8 p. m., same hall, and final vote will be taken on changing the meetings to afternoon. We hope the members will take more interest in them and attend more regularly.

At the bowling club Wednesday night only eight members showed up. Mr. Weber, who hurt his knee cap very badly by a fall the last time he bowled, could not roll, so the eight members played, four on a side. Capt. Waldhart had charge of the Japs and John Kunz of the Chinese. Kunz's side won by a score of 1948 to 1851. This ended the series of 12 games. J. J. Beneke won the champion medal, C. A. Kuehn won the lucky medal, and D. Helwig the leather medal. I am afraid we will not have a team to go to Pittsburg this year, as only one or two of the bowlers have signified their willingness to go. Two of our best bowlers, the Beyer Bros., will not be able to go owing to a large decoration at the Bayern Fest at the Concordia Park that takes place on August 20, continuing three days.

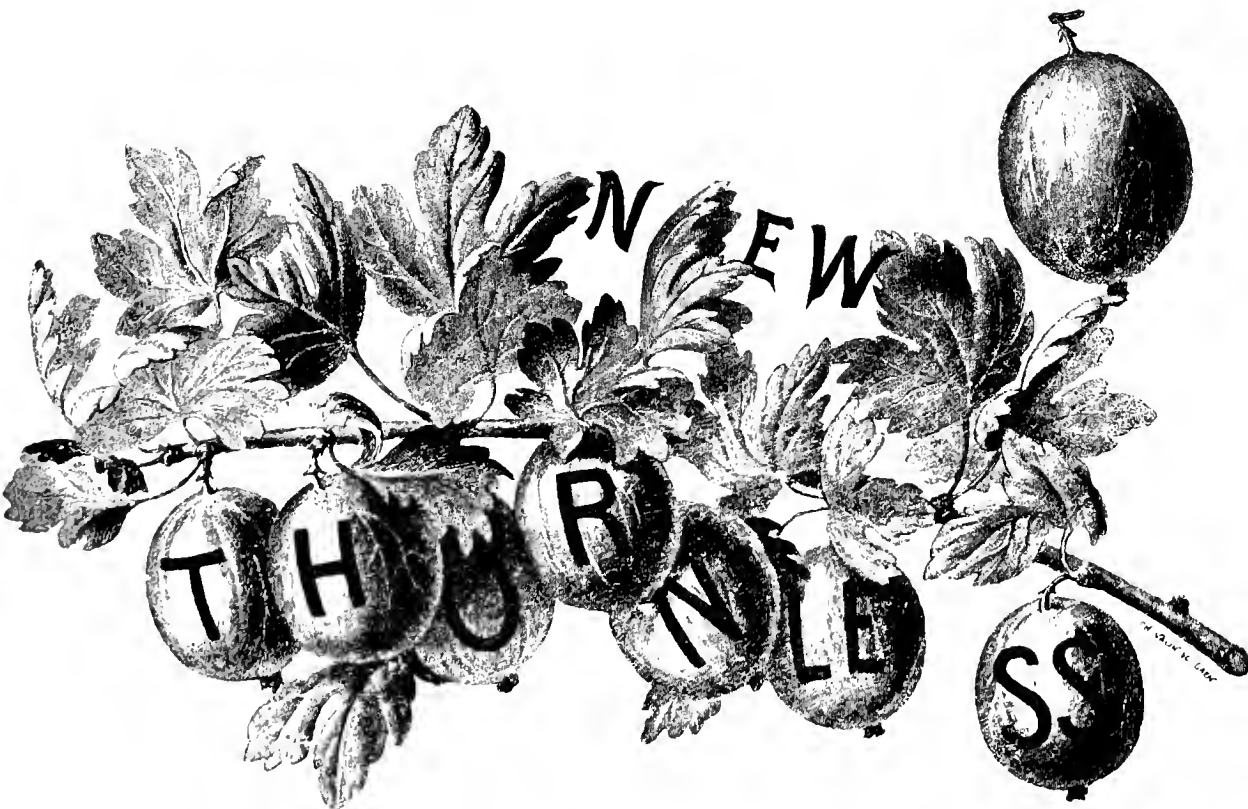
Next Wednesday will be election of officers for the bowling club.

The Victoria regia is blooming this week at Shaw's Garden. J. J. B.

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THE NEW THORNLESS GOOSEBERRY. [SEE C. H. JOOSTEN'S ADV. PAGE 65]

# FOR THE SEASON OF 1895-96



Growers of first grade CUT FLOWERS  
will still find a steady market and equitable  
returns for their goods by shipping to

## JOHN YOUNG,

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**THE FINEST DECORATIVE MATERIAL GROWN. GRACEFUL,  
DURABLE AND APPROPRIATE.**

This stock is grown to perfection in extensive houses specially constructed for this purpose,  
and can be shipped long distances without injury.

Price per String, 8 to 10 feet long, 50 Cents.

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GROWERS OF

STRONG AND HEALTHY

BULBS FOR FORCING.

California Grown  
**GALLAS.**  
Carefully cured, with  
sound center shoots, now  
ready for shipment from  
our New York or Chicago  
stores.



SIZES and PRICE:  
1½ to 1¾-inch, \$5.50 per 100.  
1¾ to 1½-inch, \$6.50 per 100.  
2 to 2¼-inch, \$8.50 per 100.

**FREESIAS.**  
Largest stock, lowest prices.  
1st Size. Select. Mammoth.  
\$3.50 \$5.00 \$7.50  
PER 1000.  
Special rates on larger lots.

**VAUGHAN'S SEED STORE,**  
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**BULBS** All kinds  
in Season  
Per 100 1000  
**HARRISII** 5 to 7 in . . . . \$3.00 \$25.00  
7 to 9 in . . . . 5.50 50.00  
AND  
**FREESIA** Large size . . . . 5.00  
Extra large size . . . . 7.00  
NOW  
READY. Roman Hyacinths and  
Dutch Bulbs will soon be in.  
**BROWN & CANFIELD,** SPRINGFIELD,  
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Mention American Florist.

**LILIUM HARRISII.**  
SOUND STOCK. QUICK SERVICE.  
First size.....5-7 inch.....500 in a case .....Per 100. Per 1,000.  
Select.....7-9 ".....250 " ".....\$ 3 00 \$ 25 00  
Extra select.....9-11 ".....125 " ".....5 50 50 00  
11 00 100 00

ROMAN HYACINTHS ready for delivery now.  
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Special inducements in our florist supply department during August.  
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Puts up seed in packets, takes all sizes of bags, gauges all quantities  
of seed from an ounce to a grain, seals up the bag, and runs  
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THE BROWN BAG-FILLING MACHINE CO., Fitchburg, Mass.

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**HULSEBOSCH BROTHERS, Englewood, N. J.**  
Mention the American Florist when  
writing to advertisers on this page.

Rochester, N. Y.

The annual outing day for the employees in the greenhouse establishment at W. S. Kimball's, which is always immensely enjoyed by each and every one of them, is set for next Wednesday, and under the management of Mr. George Savage will undoubtedly be as pleasant an affair this year as ever.

Salter Bros. contemplate moving out of their store in Main street to more convenient and spacious quarters further up the street as soon as the building, now fast approaching completion, is ready for them. They undoubtedly are making a good move.

Ed Vick had a very narrow escape from being poisoned by eating what everybody in the neighborhood pronounced genuine mushrooms, but he seems to have an un-failing and sure cure for all ailments and disturbances of the stomach, and by the free and frequent use of this medicine he is now entirely out of danger again. We all congratulate him heartily on his speedy and complete recovery.

It is to be regretted that very few if any of the Rochester florists will visit the convention at Pittsburg this year. Most all of them are too busy building or repairing, and do not feel as if they could spare time for the occasion. Your humble correspondent, up to about a week ago had the best intentions of going, but owing to several unforeseen reasons, among which poor health and failing strength play the principal factor, had to abandon the idea of meeting old friends on this occasion.

Cut flowers of every description are plenty, and sales are few and far between, still there were a few days in the past week when all the stores were busy with funeral work, and all the good stuff available at that time found ready and willing purchasers at fair prices. The weather here at present is all we can desire. The frequent showers are helping outdoor things along wonderfully, and every grower is smiling, anticipating fine stock for fall planting.

J. B. K.

ALL KINDS OF **FLORISTS' SUPPLIES** AT LOWEST FIGURES.

BEST OF QUALITY GUARANTEED.

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STRONG FIELD-GROWN PLANTS.

Very low prices on application.

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We Offer **FINE STOCK** As Follows:

**SMILAX**, 2-in. rose pot, \$1.75; 4-in., \$1.00 per 100.  
**REX BEGONIA**, 2-in. rose, \$5.00 3-in., \$8.00.  
**SHRUBBY BEGONIA**, 2-in. rose, \$4.00.  
**BRIDESMAID ROSES**, light, 4-in., \$7.00.  
**CHRYSANTHEMUMS**, '94, introduction, 2-in. rose, \$4.00.

**JOSEPH BANCROFT,**

Cedar Falls, Iowa.

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# THE NEW DWARF WHITE SWEET PEA CUPID

Will be the Sterling  
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**Giant Trimardeau Mixtures** 25c 75c \$1.25 \$4.50  
**French Pansy—Large Fl.** 25c 75c 1.25 4.50  
**International—A favorite mixt.** 25c 80c 1.50 5.00  
Quality—The very highest, in price lower than some, but we charge only for the seed, nothing for our name. Orders with cash promptly filled post-paid.

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1887

1895

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I do not promise you the earth when I solicit your consignments. I only claim that I understand the market, that I have a good line of customers and an honorable business record, that my location and advantages are of the best, and that, if attention to business and square dealing can accomplish it, your goods will bring you satisfactory returns.

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I do not claim to control everything, but I have every facility for supplying you with as good stock as you can procure anywhere. I shall receive regularly through the coming season a full assortment of the best grades of flowers from the same skillful growers who have supplied me hitherto. The shipping trade and telegraphic orders will receive careful attention.

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Telephone 382 38st. NEW YORK CITY.

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WHOLESALE.

Cut Flowers

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WHOLESALE.

... ROSES ...

Am. Beauty. Brides. Testout. Bridesmaid.  
Meteor. Kaiserin. And others.

LILY VALLEY and JAPAN LILIES

We will have a supply of these  
the entire season.

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Daybreak. Portia. Scotts. Emily Pierson  
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Standard Varieties  
in season.

Violets

Wisconsin grown,  
best quality.

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Smilax. Asparagus  
Ficus Repens.

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A good supply until  
November.

Cut Ferns

Adiantums. Pteris Argylea.  
Pteris Tremula.

Chrysanthemums

A good supply from  
Oct. 15 to Dec. 15.

We are making every effort to manage this department of our business to the entire satisfaction of our customers. Our growers are wide awake and have made some valuable improvements; their stock is looking beautiful. New stock roses are already arriving daily.

FOLDING BOXES  
TIN FOIL  
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We have a large and beautiful stock of plants suitable for Florists' use. We think our ability to serve the trade in this line equals any in the northwest.

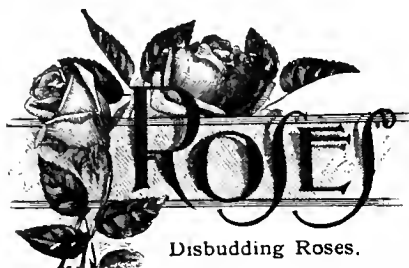
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**SURPLUS ROSES, Strong Plants.**  
ALBANY, 36 plants, 3-in., at .....4c  
BEAUTY, 35 plants, 3-in., at .....4c  
BRIDE, 70 plants, 3-in., at .....3c  
" 22 plants, 4 in., at .....5c  
BRIDESMAID, 30 plants, 2½-in., at .....3c  
" 60 plants, 4-in., at .....5c  
LA FRANCE, 78 plants, 4-in., at .....5c  
TESTOUT, 30 plants, 4-in., at .....5c  
KAISERIN, 47 plants, 2½-in., at .....5c  
The lot, 638 roses, for \$20.00, cash with order.  
SWAINSONA, strong, 4-in. ....10c  
" 5-in. ....15c  
W. L. PHELPS. Springfield, Ill.

**W. A. MANDA,**  
MERCHANT, GROWER, IMPORTER & EXPORTER OF  
**FLORISTS'**  
Plants, Seeds and Bulbs.  
NOVELTIES A SPECIALTY.  
The Universal  
Horticultural Establishment, SOUTH ORANGE, N. J.

**ORCHIDS OUR SPECIALTY.**  
THE FINEST STOCK AND SE-  
LECTION IN THE WORLD.  
New and Rare Plants for the Stove, Green-  
house and Conservatory.  
**SANDER,** St. Albans, England,  
& Bruges, Belgium.  
A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106  
and 108 Liberty Street, New York City  
Send for illustrated catalogue.



Disbudding Roses.

In removing the buds from young roses should they be nipped off as soon as they show, or is it better to let them grow to some size, and then remove them with part of the wood. The roses are intended for winter flowering. R. K.

Replying to the above, our practice at this season of the year is to allow the buds to develop fully before removing them when preparing them for winter blooming, and pinch them off without taking any leaves with them, that is to say, no part of the wood is taken. By this process the wood becomes harder, more nearly ripe, and consequently breaks into new growth, stronger than when the bud is removed in a small state and the shoots are tender and sappy. E. L.

## A Boom for the Dahlia.

ED. AM. FLORIST.—Now that the dahlia is likely to come to the front, I rise to remark that when I was a boy my father was a successful grower in Northumberland, England, and for prizes. Severe pruning was the rule. Like the grape the dahlia bleeds freely. The common British wasp, so destructive to ripe gooseberries, imbibed the juices greedily; result, a glorious drunk! As they dropped off to the ground they staggered and reeled up against each other, all good naturedly, and would finally lie down on their sides with legs curled up, then, after a two hours' sleep, wake up, rub their eyes, brush themselves off, and finally fly off as good as new. The whole performance was so very human, except the latter part, that it made a perfect pantomime. I have never seen any mention of this in print, and in these days of alleged prohibition it may be well to call attention to the fact that the dahlia possesses intoxicating properties. WM. FERGUSON, Groveland, Mass.

## Cincinnati.

The market was very quiet last week. Prices have weakened somewhat, roses are offered at 2 to 3 cents, although job lots are disposed of at much lower figures. Flowers of all kinds, and roses in particular, have suffered severely from the blistering heat of the last few weeks, and it will take some weeks before the stock will be in condition again. Garden flowers meet with very little demand; the quality has been poor owing to the protracted drouth, but it is hoped that Sunday's rain will improve the crop. Carnations are getting scarce, and what are brought in are very poor. Asters are quite plentiful, the most salable colors are white and pink, the darker tints are not liked. Sweet peas are at an end. Gladioli continue to come in. The bulk of the stuff is from outside.

Robt. Murphy is bringing in some fine tuberose spikes to the market.

John Fries is tearing down and rebuilding three houses.

Ben Glins and Wm. Bolia are on the sick list. P.

# E. G. HILL & CO.

## WHOLESALE

# FLORISTS

### RICHMOND, IND.

40,000 FINE CARNATION PLANTS from the field in September.

Prices low; write for list, and place your orders early.

CRIMSON RAMBLER ROSE, in extra fine 3-inch stock, ready now, at \$10.00 per 100.

An exquisite collection of NEW GERANIUMS ready in October. Send for Fall List, describing other novelties.

# E. G. HILL & CO.

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## 50,000 PALMS, FERNS, Etc.

### AT GREATLY REDUCED PRICES.

My stock is large and in fine condition. I have many thousand Latanias from 2½-in. up to 10 and 12-in. pots. Good stocky plants.

Send me a trial order for other varieties and sizes. See Wholesale List. Send for it.

Pot	high leaves each doz.	100	Pot	high leaves each doz.	100
Corypha Australis...	12 to 15 4 to 5	25 42.00	Paradise Velechil...	12 to 14	50 4.75
" " " " " " " "	20 to 24 5 to 6	45 6.00	" " " " " " " "	15 to 18	1.00 9.00
" " " " " " " "	26 to 30 6 to 7	65 6.00	" " " " " " " "	20 to 22	1.50 14.00
" " " " " " " "	32 to 36 7 to 8	1.00 9.00	" " " " " " " "	24 to 28	2.00
Kentia Belmoreana...	6 to 8 2 to 3	.10 .35 9.00	" " " " " " " "	26 to 30	2.50
" " " " " " " "	10 to 12 3 to 4	.20 1.70	" " " " " " " "	34 to 40	3.00
" " " " " " " "	6 to 8 3	.10 .35 9.00	Utrilla...	12 to 15	.35 3.00
" " " " " " " "	10 to 12 3 to 4	.20 1.70	" " " " " " " "	18 to 20	.55 4.50
Latania Borbonica...	8 to 10 2 to 3	.65 .45 4.00	Pteris Tremula...		9.00
" " " " " " " "	10 to 12 3 to 4	.10 .30 7.00	" " " " " " " "		25.00
" " " " " " " "	15 to 18 4 to 5	.25 2.00 18.00	Cyrtomium Falcatum	2	3.50
" " " " " " " "	18 to 20 4 to 5	.45 4.00 38.00	" " " " " " " "		5.50
" " " " " " " "	20 to 24 4 to 5	.65 6.00 58.00	Adiantum Capillus		2.75
" " " " " " " "	24 to 28 5 to 6	.90 8.50 80.00	Veneris...	2½	3.50
" " " " " " " "	28 to 30 5 to 6	1.25 12.00 118.00	Lastrea Patens...	2	5.25
" " " " " " " "	30 to 32 6 to 7	1.75 16.50 155.00	" " " " " " " "		8.00
" " " " " " " "	34 to 36 8 to 9	3.00	Dracena Australis...	2	3.50
Phoenix Reclinata...	15 to 18 3 to 4	.22 2.00	" " " " " " " "		5.00
" " " " " " " "	20 to 22 4 to 5	.50 4.75	Selaginella Martense	3	.10 7.00
" " " " " " " "	24 to 26 4 to 5	.65 6.00	" " " " " " " "		7.00
" " " " " " " "	28 to 34 5 to 6	.90 8.00	Emilliana...	3	.10 7.00
" " " " " " " "	16 to 20 4 to 5	.50 4.75 45.00	Grevillea Robusta...		10.00
" " " " " " " "	10 to 12 2 to 3	.15 1.40 13.00	extra fine...	4	.12
" " " " " " " "	15 to 18 3 to 4	.22 2.00			

TERMS: Strictly Cash, unless from persons of known responsibility.

SPECIAL INDUCEMENTS FOR SPOT CASH ORDERS.

I will give the following discounts:

All orders from \$10.00 to \$25.00 two per cent. in additional plants.  
All orders from \$25.00 to \$100.00 four per cent. in additional plants.  
All orders from \$101.00 to \$200.00 six per cent. in additional plants.

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Mention American Florist.

### PROFITABLE CROPS FOR ODD CORNERS.

#### READY NOW.

20 bushels Egyptian Perennial or Tree Onion Sets, for fall planting, at \$1.25 per bushel. 50 bushels yellow onion sets at \$2.00 per bushel.

#### READY IN SEASON.

5000 Lucetia Dewberry plants, from successful bearing stock, at \$10.00 per thousand.  
Chrysanthemums, Carnations, Cannas, etc., in variety.

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10 fine Cacti in 10 varieties, by mail, for \$1.00.  
50 " " " " " " by express, for \$5.00.  
CACTI SEEDS A SPECIALTY. Collections for florists at low rates. Specimen plants always on hand.

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# The New York Cut Flower Co.

119 AND 121 WEST 23<sup>d</sup> STREET.  
112 AND 114 WEST 24<sup>TH</sup> STREET.

---

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## OPEN LETTER TO THE GROWERS.

The New York Cut Flower Co. has completed all the details of its organization, and will open for business at 119 and 121 West 23d St., on Sept. 2nd. All growers who wish to avail themselves of the privileges offered by this Company, on the same terms as the charter members, must notify the Secretary, Paul M. Pierson, Scarborough, N. Y., at once of their intention, as the books of the Company will close on Aug. 26th. All contracts made after that date will be on a new basis. This Company now controls the output of over one million square feet of glass, and embraces a large proportion of the growers in the vicinity of the New York market, who are known to grow high grade flowers. The salesroom we have secured gives us the largest and most complete market for the sale of cut flowers in the world. The location is ideal, being easily accessible from all the surface and elevated roads, and cross-town cars from all the Ferries pass by the door. We have ample room, plenty of light, thorough ventilation, and every facility for the rapid and careful handling of our business.

Our proposed methods of doing business are a wide departure from present loose and unsatisfactory methods, and are such as should meet the approbation of every grower who is at all alive to his own interests. The following are the chief features of the plan:

Every member of the Company, stockholders, directors and shippers, are required to sign the agreement upon joining the Company, also to pay an assessment of 2 cents per square foot of ground covered by glass and used by them for growing cut flowers. In return the Company agrees to pay 5 per cent. interest on this sum, to sell goods for a commission of 10 per cent., to conduct the business as economically as possible, and if at the end of the year there remain any profits they are to be divided among the shippers in proportion to the value each grower's product bears to the total amount of sales. In other words, we charge 10 per cent. for doing the business; if at the end of the year we find we have been able to do it for say 6 per cent., we refund each grower 4 per cent on the amount of his sales for that year. That is, we do the business for exactly what it costs, as the *profits go* where they belong, *to the producer*.

Not only so, but we have every reason to believe we can do business at very much less proportionate cost than is done at present. There are somewhere between 20 and 30 commission men in business in New York. This means 20 to 30 rents to pay, 20 to 30 telephones, 20 to 30 book-keepers, 20 to 30 livings to be made—all this expense and more is paid by the growers. We think we can save them a large proportion of it. Remember that whatever profits are made go, not to the stockholders, but *to the growers*.

Also that the small and medium grower will get the same price for same grade as the larger grower, and have every advantage enjoyed by him. In fact the business is simply a co-operative plan in which all the benefits are shared by all the members, large and small alike. The books of the Company will be open at all reasonable times for inspection by the growers, and everything will be conducted open and above board, on lines of strict business integrity.

The President and Treasurer will be in attendance at the offices of the Company, on Monday, August 26, from 10 to 5 P. M., for the purpose of receiving assessments and signing contracts, when the books of the Company will close, and all contracts after that date will be made on different terms.

For further particulars address

**PAUL M. PIERSON, Secretary,**  
Scarborough, N. Y.



## Growing Sweet Peas.

In a paper read recently before the California State Floral Society Mr. W. T. Hutchins spoke of his system of culture as follows:

"You can hardly realize in California how very difficult it is for me, with the conditions I have to contend with, to make a success of them. To illustrate—I planted a row 25 feet long for my neighbor, taking the greatest pains and planting the finest seed. In that short row we have already found 300 cut worms. It is a sick looking row, but will not be a failure. It is a battle to grow sweet peas in our light soil. I begin in the fall as soon as my vines are done blooming. This fall I shall trench 20 inches deep, and bury several inches of manure, bringing the poorest soil to the top. Before planting in the spring, I first open my trenches, stir up the rich material in the bottom, and see that the soil above it is rich but not rank. I trench around the sides of my garden and cut off all tree roots to a depth of two feet. Then I take preventive measures against ground moles by setting sheets of tar paper right across the trenches every few feet and a foot deep. While I use the same ground year after year, I have the rows come in between where they came the previous year, always leaving four feet clear between them. Each variety is planted in sections of four or five feet, and then duplicated in similar sections in other parts of the ground. When my ground is ready for planting it consists of ridges and ditches, the trenches being open five inches deep and the soil heaped up between. I drop the seed liberally in double rows in each trench and cover it one inch. When the plants are four inches high I begin to fill in the earth, and by June 1, there are five inches of soil above the seed. Then they are bushed very strongly, the branches being cut so as to stand six feet above the ground and trimmed up neatly. By the middle of June the ground is mulched very heavily, the space between the rows being raised up in the middle with mulching material to form a walk where hundreds of people wander back and forth without packing the ground. I get a very stout growth of vines, which I snip back to six feet after they reach the top of the bushes and an ocean of blossoms, etc., etc."

## Bulbinella (Chrysobactron) Hookerii.

I remembered after writing my query to Mr. Keller that he was talking about the old "Goldy-locks"; it is found on the rocky cliffs of the south coast of England and on the Continent. It is included under aster in the later publications, I believe after Bentham and Hooker.

As for the bulbinellas (chrysobactrons) they have always been scarce. I would suggest to Mr. Keller, as he is encouraged with them, that he try the curators of the Botanic Gardens at New Zealand, Melbourne and Cape Town, South Africa. After such an experience it isn't very safe to talk about "likeli hardihood." It may be said in a general way that bulbous and tuberous plants from the tropics and sub-tropics are likely to afford surprises. Instance Nelumbium speciosum, the Jerusalem artichoke (Brazilian), the spotted calla, hardy at Canandaigua, N. Y., with slight protection, and Amaryllis Belladonna, hardy here in New Jersey. The only way is to have the grit to try them as Mr. Keller has done.

J. MCP.

ALLIANCE, OHIO.—Mr. J. F. Zimmerman is building a new greenhouse 24x60.

## 40,000 FIELD-GROWN CARNATIONS!

ALL THE BEST VARIETIES.

Standard Sorts, \$5.00 to \$10.00 'per 100.

SEND FOR PRICES.

GEO. HANCOCK & SON,  
GRAND HAVEN, MICH.YOU CAN GET THE MOST PROFITABLE  
VARIETIES INField Grown Plants of  
CARNATIONS

FROM

THE COTTAGE GARDENS,

QUEENS, Long Island, N. Y.

FRED. DORNER & SONS,  
La Fayette, Ind.  
NEW CARNATIONS.

## CARNATIONS

FIELD GROWN PLANTS,  
READY IN SEPTEMBER:

C. J. PENNOCK,

The Pines. KENNETT SQUARE, Chester Co., PA.

## 20,000 FIELD GROWN CARNATIONS

8,000 Lady Campbell Violets, Strong Clumps

For fall delivery. Please send list of your wants, as stock is for sale.

LADY CAMPBELL VIOLETS from 2½-inch, for benching now. Price, \$5.00 per 100.

BENJ. CONNELL, Florist, West Grove, Pa.

CARNATIONS, VIOLETS, MUMS and  
SMILAX PLANTS, Pritchardia, Dracena,  
D'ble Petunia, Gerani-  
ums, Ivy—silver leaved and flg., Coleus, Fuchsia  
and Hoya carnosus, etc., cheap.

CUTTINGS ROOTED TO ORDER.

F. A. HAENSELMANN, PETERSBURG,  
COLO.Fisher & Aird, ELLIS,  
NEW AND TESTED  
CARNATIONS.

ALEX. McBRIDE,

Carnation Grower  
ALPLAUS, N. Y.

IF YOU WANT extra copies of the color chart that appears in this issue we can supply them at 25 cents each.

## Carnations—Field Grown

Our Carnations this season are strong and healthy	
No. 1 plants—ready Sept 1st.	
	Per 100.
DAYBREAK	\$ 8.00
HELEN KELLER	8.00
JACQUEMINOT	8.00
WM. SCOTT	8.00
MRS. E. REYNOLDS	8.00
UNCLE JOHN	8.00
GARFIELD	8.00
THE STUART	10.00
SWEET BRIER	10.00
LIZZIE MCGOWAN	5.00
SILVER SPRAY	5.00
L. L. LAMBORN	5.00
PORTIA	5.00
GRACE WILDER	5.00
TIDAL WAVE	5.00
VIOLETS, Marie Louise, field grown	5.00

We invite anyone wanting large quantity to come and inspect stock.

EVENEDEN BROS., Williamsport, Pa.

## 4,000 Field Grown Carnations

IN FINE CONDITION.

DAYBREAKS, UNCLE JOHN,  
SILVER SPRAY, PORTIA, Etc.

JOHN P. TONNER,

Greenhouses, Galewood. Mont Clare, Ill.

## CARNATIONS.

We will have a fine lot to offer for last of August and September delivery, clean, fine healthy plants.

400 EMILY PIERSON, best commercial red.  
1000 DAYBREAKS,  
1500 SCOTT'S,  
1000 SILVER SPRAY.

Write for prices.

CRABB &amp; HUNTER, Grand Rapids, Mich.

When writing to any of the advertisers on this page please mention the American Florist.

## CONSIGNORS TO NEW YORK GUT FLOWER MARKET

Nail John I. Raynor's tag on your boxes; he has and will continue to have the largest trade in town and out. His place of business is and will continue to be at

**49 West 28th Street, New York City.**

Consignors, take notice of these facts: That he has the requisite business ability and experience. That he is never absent from his place of business during business hours. That he lives up to all his agreements, therefore cannot send any touts around making fictitious promises. That he asks no deposits or guarantees; there are no lawyer's fees, no notes to discount; your enemies do not make your prices. On these grounds he solicits your consignments and with sleeves rolled up shouts, "Let competition Come!" If it be true that competition is the life of trade, then BUSINESS WILL BOOM.

**NAIL JOHN I. RAYNOR'S TAG ON  
YOUR BOXES.**

## Cleveland.

The recent very heavy rains have done an immense amount of good in this vicinity, and everything is growing almost visibly. Asters are fairly in, but a large part of the outdoor stock is not very good; they are not only small in size, but there are so few flowers per plant as to render them an unprofitable crop. Inside grown flowers, however, are all right. A. Graham & Son have two or three houses of them that promise well, but the crop will be late, a large proportion of them not even showing color as yet. It may be a good thing if they can be held until the bulk of the crop is gone elsewhere.

Williams & Wilson have finished the gas well they were drilling and have started another. They hope to get gas enough out of the two to save them a considerable share of the yearly coal bill.

There has been some little talk anent having the convention here next year, but whether it comes or not—well, that's another story.

A visit to James Eadie's establishment found everything in good shape and work moving along right merrily. Mr. Eadie will add another boiler to his heating plant and possibly put up one more greenhouse about 20x100, to be used for carnations. His stock of carnations planted outside looks unusually well in every respect. The new one that he has raised shows up extraordinarily well—strong, clean and free blooming. Indeed, considering its parentage, no less would be expected. It was a sport from Tidal Wave, obtained about five years ago, and though subjected to the severest trials, has never shown the slightest tendency to revert to the parent color. It is a beautifully striped sort, pure white on the Tidal Wave ground, it possesses all the desirable attributes of the old stock in strength of growth, freedom of blooming and immunity from disease. Add to this a fine stem and a splendid fragrance and you have "Eadie's carnation." It has been an excellent seller here and florists here are ready to buy whenever Eadie will sell.

A.

SALINA, KAS.—Mr. John Buchi is rebuilding his place.

BROOKLYN, N. Y.—James H. Harold, known to the trade as a dealer in holly, with headquarters at Kingston, Md., died in this city July 25, aged 31 years.

# PALM SEEDS

Just Arrived in Best Condition.

OREOXXA REGIA, starting to ger. 100 1000  
 minate. . . . . \$ .60 \$4.00  
 PHOENIX CANARIENSIS . . . . .50 3.0  
 TENUIS . . . . .60 4.00  
 BRAHEA FILIFERA, syn. Fritchardia flamen-  
 tosa, \$1.00 per lb.; \$7.50 per 10 lbs.  
 MUSA ENSETE \$1.00 per 100; 10.00 per 1000.

Chas. Schwake, 404 E. 34th St., New York.

We are now booking orders for all kinds of Palm Seeds. Send your list and we will quote you prices.

## CARNATIONS CANNAS CHRYSANTHOS

Send for prices for what  
you need in this line.

W. W. COLES, Kokomo, Ind.



# REINBERG BROTHERS.

CUT FLOWERS

HEADQUARTERS

— FOR —

## AMERICAN BEAUTIES,

And all kinds of choice, select stock.

..... FINE CARNATIONS—UNEXCELLED.

51 Wabash Avenue,

CHICAGO.

A TRIAL ORDER Solicited.

HIGHEST CLASS GOODS AT LOWEST PRICES.

Carefully packed to ship to any part of the country. No charge for P. and D.

♦ ♦ ♦ OUR SPECIALTY: FIRST-CLASS ROSES FOR THE SUMMER SEASON.

## Ready to Talk Business FOR NEXT SEASON.

## Do You Want an Outlet IN NEW YORK CITY For Your FLOWERS?

Before deciding on the best course

GIVE US A CALL.

The testimony of the Growers whose flowers were handled here last season is the Best Kind of an Endorsement.

JULIUS LANG,

53 West 30th St.

Wholesale Commission Florist,

NEW YORK CITY.

PLANTS AT HALF THEIR VALUE.

FOR WANT OF ROOM

Cape Jessamine, 2½-in. at 3c.  
 Ampelopsis Veitchii, 2½-in. at 2c.  
 Fancy Caladium, 2½-in. at \$5.00 per 100.  
 Cyperus Alternifolius, 4-in. 7c, 5-in. 10c.  
 Myrosma cannaefolia 15c each.  
 Eucalyptus, 3 colors, 2½-in. pots, 2½c each.  
 All above are fine plants.

Address, F. J. ULBRICHT,  
 L. B. 655. Anniston, Ala.  
 Mention American Florist.

Will sell until Sept. 1st, very strong, healthy  
 Smilax Plants out of 2½-in. pots for \$15 per  
 1000; \$2 per 100. Terms strictly cash.  
 Fine, healthy and strong field grown Car-  
 nation Plants ready now. Address

FRED. SCHNEIDER, MGR.,  
 CLEVELAND FLORAL CO.,  
 751 Crawford St., CLEVELAND, O.  
 Mention American Florist.

The Old Consignors all stay  
and  
Cut Flower Buyers  
Can Depend upon having  
Their orders filled  
with the same high quality  
of goods as heretofore.

No change  
in policy. A fair  
commission, honest returns  
and strict  
attention to business.

Still room for a  
few more good consignors.  
N. B.—The old consignors  
all stay.

**W. F. SHERIDAN**  
CUT FLOWERS.  
WHOLESALE  
32 West 30th Street,  
NEW YORK CITY.

**W. F. SHERIDAN**  
CUT FLOWERS.  
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32 West 30th Street,  
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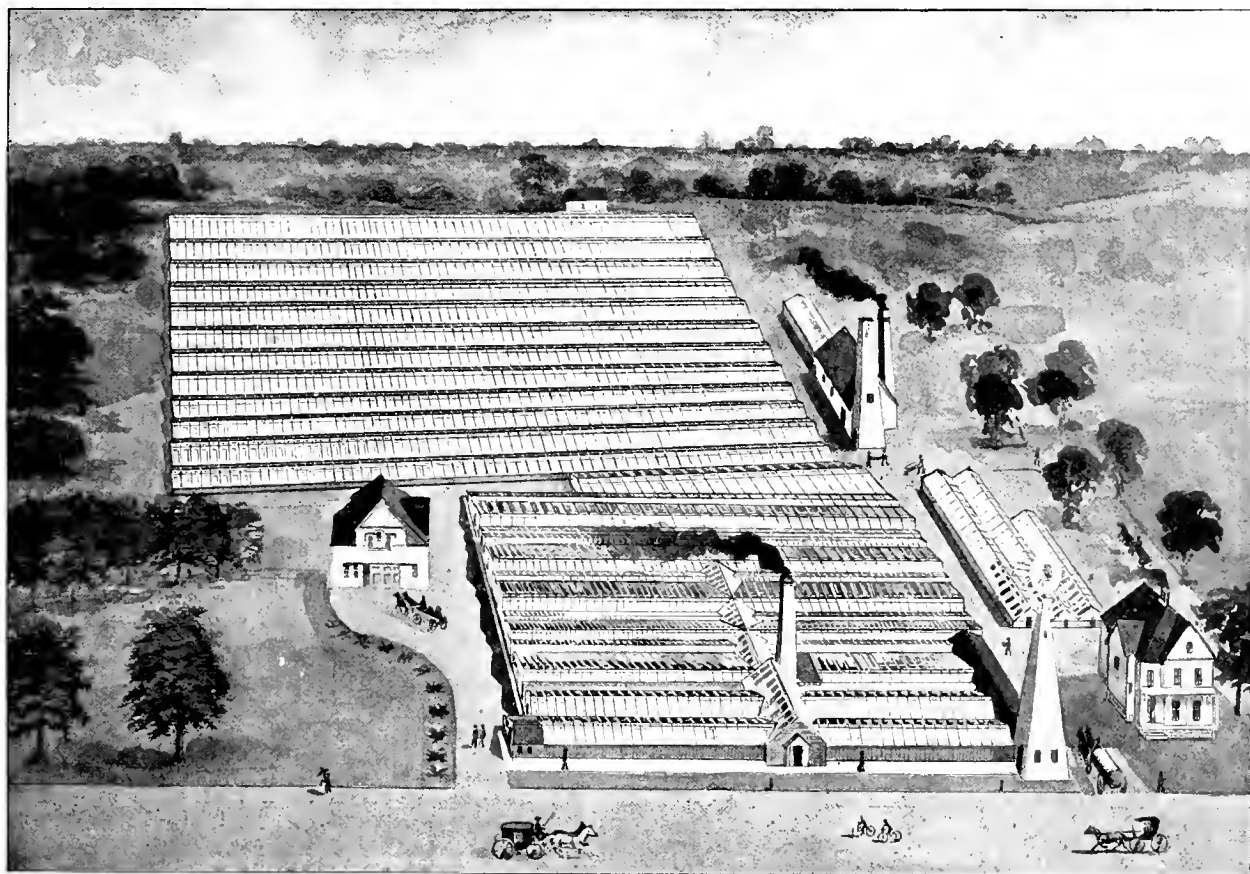


# BASSETT & WASHBURN,

## Growers and Wholesale Dealers in

# CUT FLOWERS

**34 & 36 Randolph St., CHICAGO.**



VIEW OF OUR RANGE OF GLASS AT HINSDALE, ILL.

**W**E grow our own roses, having over 200,000 square feet of glass, covering nearly four acres of ground, devoted exclusively to roses, containing about 80,000 plants, one-half of which are American Beauties, making us the largest growers of Beauties in America. We grow largely of Brides, Bridesmaids, Meteors, Perles, and the new roses Pierpont Morgan, Mrs. Whitney and Belle Siebrecht. We have excellent facilities for shipping direct from the houses in Hinsdale when desired, saving extra handling. We extend a cordial invitation to all passing through Chicago to visit our greenhouses, where we can show you as fine a range of houses, as you will find in the country, equipped with all the modern improvements. Stop on the way to the Convention or on your return.

We are growing largely of all the choice Chrysanthemums. We grow very extensively of Harrisii, forcing nearly 40,000 bulbs this season. We are forcing several hundred thousand of valley pips and our Carnations and other flowers are furnished us by the best growers in the country, making it possible for us to serve you with the best there is in the market, and our prices will be as reasonable as first class stock can be obtained for.

We should be pleased to have you make our store your headquarters while in the city; here you will find all conveniences to do your corresponding and meet friends.

**WE DO NOT CATER TO THE FAKIR TRADE.**

## Sweet Peas.

Mr. Hutchins' sweet pea notes in the FLORIST of August 10 are, as always, full of interest and useful suggestion. Both amateur and professional growers of sweet peas owe much to Mr. Hutchins' accurate and enthusiastic work. People of refined taste, when looking over my collection of varieties, have almost invariably agreed with Mr. Hutchins in his estimate of their beauty; but the selling quality is sometimes quite another story. One reason, I think, is that some peas show to better advantage on the vine, or in a loose bouquet, than they do in a compact mass as they usually appear in florists' windows. I think this is true in a general way of the hooded forms, and of Venus in particular. But when such a flower as Mrs. Eckford is entirely neglected it would seem as though the retailers' most discriminating customers must be out of town at this season. Mrs. Sankey, which was placed ahead of Emily Henderson at Springfield, goes into the wholesaler's barrel here if there is any other white to be had.

Mr. Hutchins mentions a single stem with four blooms and a bud. This morning I brought in a double stem of Venus with ten large blooms. Single stems with four blooms are common on this row, and a few of five and one of seven were thought to be single stems—possibly a more critical examination would have shown a double structure.

Rochester, N. Y. GEO. ARNOLD, JR.

FALL RIVER, MASS.—John Lambert is building a new house 14x50.

NORTH EASTON, MASS.—Jas. H. Leach is adding one large house to his Centre street establishment.



# PALMS.

EACH  
Areca lutescens, \$3 to \$15  
Kentia Belmoreana, 3 to 10  
Kentia Forsteriana, 3 to 10

CALL AND SEE THEM.

## JOHN BURTON,

WYNDMOOR,

Near Chestnut Hill, Philadelphia, Pa.



# EXTRA FINE ROSES.

Grown especially for late planting.

## SUPERB STOCK OF

5000 Meteor, the most profitable red.

4000 Bride, still the finest white.

5000 Bridesmaid, the incomparable pink.

Kaiserin Augusta Victoria, Sunset.

THESE ARE EXCEPTIONALLY FINE HEALTHY STOCK. WRITE FOR SAMPLES AND LOW PRICES.

FINE STOCK  
PALMS,

FICUS, ETC.

## ROBERT CRAIG,

49th and Market St., PHILADELPHIA.

## BELLE SIEBRECHT.

YES, WE ARE shipping some yet every day. PROGRESSIVE Florists can't do without it.

STOCK NOW  
LIMITED.

## SIEBRECHT & WADLEY,

Rose Hill Nurseries,

New York Office, 409 5th Ave.

NEW ROCHELLE, N. Y.

## 10,000 First Quality Forcing Roses.

LA FRANCE  
WOOTTONS  
KAISERIN A. V.

LA FRANCE  
BRIDES  
BON SILENE

MME. HOSTE  
BON SILENE  
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PERLES  
MERMETS  
SUNSETS

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METEOR  
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J. L. DILLON, Bloomsburg, Pa.

BEAUTIES, MERMETS, CUSINS,  
PERLES, BRIDESMAIDS, BRIDES,  
WOOTTON, WATTEVILLES AND  
Plants, 2, 3, 4-inch pots.

## ROSES

BELLES, TESTOUTS, NIPHETOS,  
METEOR, HOSTE, LA FRANCE,  
AUGUSTA VICTORIA. Cash with order. SMILAX. Address for prices

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

## LAST LOT

of Forcing Roses, all fine clean 2½-inch stock.

75 THE BRIDE	
200 C. MERMET	
350 WATTEVILLE	
25 NIPHETOS	
850 CHR. DE NOÛE	
150 PAPA GONTIER	
300 MME. COCHET	
60 BRIDESMAID	
900 EXTRA FINE NIEL	
150 KAISERIN VICTORIA	

@ 3c apiece.

Cash with order.

J. B. HEISS,

116 S. MAIN STREET. DAYTON, O.

## ROSE MME. GUSIN, PLANTS

in 2½ and 3½-inch, at

SUNNYWOODS GREENHOUSES.

FRANK L. MOORE,

CHATHAM, NEW JERSEY.

## STANDARD ROSES

for early fall shipment. A fine lot of hardy sorts, including

BARONNESS, MAGNA

CHARTA, PERSIAN YELLOW, ETC. Price, \$65.00 per 100.

HOLLAND GROWN PLANTS.

W. S. LITTLE & CO.  
ROCHESTER, N. Y.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

## ROSES

TWO YEARS. \$9.00 per 100. OWN ROOTS.

A splendid lot of plants in a great number of varieties, including

GENERAL JACQUEMINOT,

ANNE DE DIESBACH,

PAUL NEYRON,

LUIZET, ULRICH BRUNNER,

PERP'L WHITE MOSS, ETC.

## W. S. LITTLE & CO.

ROCHESTER, N. Y.

## American Beauty,

Prime stock, 4-inch.

Also Bridesmaid, Bride, Meteor, La France, Testout, Kaiserin, Perle, Sunset.

A. S. Mac BEAN, Lakewood, New Jersey.

Mention American Florist.

## Roses

From 2½-inch pots.

Per 100 Per 1000

Bride, Mermet, White La France . \$3.00 \$25.00

Watteville . . . . . 3.00 27.50

Maman Cochet, Bridesmaid . . . 4.00 35.00

THE NATIONAL PLANT CO.

DAYTON, O.



# Araucaria Excelsa.

Our present stock of these beautiful decorative plants has never been so large and in perfect specimens. Ready for immediate shipment.

## ARAUCARIA EXCELSA.

[illegible]

**ARAUCARIA EXCELSA GLAUCA.**

5-inch pot plants, 2-3 tiers, 7 8 inches high	EACH.
6 " " 3 " 14-16 " "	1.00
8 " " 5 " 24 " " a beautiful lot of plants.	2.50
8 " " 5 to 6 tiers, 30 to 36 inches high	5.00
All a beautiful lot of plants, and very salable.	\$6 to 7.50

Our stock of Decorative Plants, such as Palms and Ferns is now in the best possible condition for sale or growing on. All correctly described in Dreer's Wholesale Price List, mailed to all in the trade.

**HENRY A. DREER,**  
714 Chestnut St., **PHILADELPHIA.**

# YOU WANT THEM.

# TWELVE

The statistics of Floriculture indicate that in 1891 **TWELVE** million represents the production of Plants and Shrubs, in addition to the **MILLIONS** of Carnations, Mums, etc. Of these, immense quantities are yearly destroyed by Fungus disease, causing great loss to the grower. The outlay **OF** a few **DOLLARS IN FOSTITE** will reduce this loss to a minimum. It is the **ONLY AND BEST** fungicide ever offered as a **REMEDY FOR MILDEW** and **BLACK ROT** on Roses, Mums, etc. **AND CARNATION RUST.** Fostite is Economical in use, always ready, harmless to Plants (its curative property is **SULPHATE OF COPPER, ALWAYS EFFECTIVE.**) and easy to apply by Joosten's Magazine Bellows, the best implement in existence for distributing all kinds of Insect or Plant Powders.

**25 POUNDS OF POSTITE, \$2.00, and MAGAZINE BELLOWS, \$3.50, will be SOLD FOR A FIVE DOLLAR BILL** to members of the S. A. F. giving their orders at the Convention, or mailing same, prepaid, to my office in New York **BEFORE SEPTEMBER 1st.** Sold by all prominent Seedsmen, and by

**C. H. JOOSTEN, 36 Dey Street, NEW YORK,**  
**IMPORTER OF BULBS, PLANTS AND FRUIT TREE STOCKS.**

## PALMS AND DECORATIVE PLANTS.

Highest Grade Stock at reasonable prices—Home-grown—strong and stocky—A full assortment of sizes of popular kinds.

Look for exhibit of sample plant at Pittsburgh convention.

Price list on application.

**CHAS. D. BALL.**

## HOLMESBURG.

**PHILADELPHIA, PA.**

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**  
**1708 N. Halsted St., CHICAGO.**

**Michel Plant and Bulb Co.,**

## WHOLESALE FLORISTS.

ST. LOUIS, MO.

## FLORISTS, BE SURE

To give the Mammoth Sunbeam Pansy Seed a trial. It is the finest large flowering and best selling strain to be had. See ad. on page —, this issue FLORIST.

**JOHN F. RUPP**, Shiremanstown, Pa.

## Chrysanthemums.

Choice varieties for planting,  
\$2.50 and \$3.00 per hundred.

**NATHAN SMITH & SON,**  
**Adrian, Mich.**

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

## The Spring Plant Trade.

I was interested in the recent New York notes in reference to the spring bedding plant trade. In our experience there was not much falling off in this year's trade from that of one year ago, but as compared with the sales of '93 there was a shrinkage of 25 per cent, and with that of '91 and '92 fully 33 per cent; '91 and '92 were without doubt the high water years for bedding plants. As to prices our experience tallies with that of your correspondent. Prices were well maintained in the beginning of the season, in fact they were fully up to previous years, but they broke, and later on lots of stuff was sold at far below producing prices. If there was increased demand in any direction it certainly was on sub-tropical bedding plants, and perhaps carnations and roses for summer flowering, in fact such plants as yield flowers for cutting, and at the expense of that class of plants used mainly for what is called "carpet bedding."

I think that to get best results plant growers should be more particular to grow only the best varieties and endeavor to grow them in best quality. Much depends upon the way plants are displayed; an attractive arrangement in solid colors is more effective in a greenhouse or store than a mixed lot of varieties and colors. Again, a dealer desirous of increasing his trade will be careful about what representation he makes to his customers. For instance, in selling an azalea or cineraria he will not say they bloom all the time, and he will not allow a plant to go out of his establishment when he knows from its condition that it cannot be expected to do well. It is in this latter respect that so many florists are short sighted. The only thought seems to be to get the money. It is to a florist's material benefit as well as to his credit to properly instruct his plant purchasers as to how to take best care of and be most successful with their plants. A more general realization of this truth would do much to help the business and elevate the profession. H. A. SIEBRECHT.

New Rochelle, N. Y.

FAIRMONT, W. VA.—Mr. J. J. Burns is adding 40 feet to his greenhouse. He reports that he is doing a good business, though he began only last August.

## Roemer's Superb Prize Pansies.

The finest strain of Pansies in the World.

Introducer and Grower of all the leading Novelties.

Catalogue free on application.

FRED ROEMER, SEED GROWER,  
Quedlinburg, Germany.

Mention American Florist.

## EXTRA PANSY SEED.

MAMMOTH SUNBEAM STRAIN.

A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt., 500 seeds, 25 cts.; 3 pkts. 60 cts.; 6 pkts. \$1.00.

A pkt. of 500 seeds of the new, peculiar and amusing Monkey Face Pansy added to every \$1.00 order.

JOHN F. RUPP, Shiremanstown, Pa.  
Mention American Florist.

## PANSY PLANTS.

Our International Mixture is the largest and finest collection of Pansies ever sold at 65 cts. per 100 by mail, \$5.00 per 1000, \$20.00 for 5,000 by express. Try them, and you won't want any others. Also green moss and peat, \$1.00 per barrel.

J. C. SCHMIDT & CO., Pansy Growers,  
Box 273, Bristol, Pa.

Crop 1895.

Ready Now.

# PANSY.

## BARNARD'S FLORIST MIXTURE.

A high class, up-to-date mixture that fills the bill "par excellence"—made up from leading colors, producing flowers of the most perfect type. It gives you pansies that sell.

Trade pkt. 25c, 1/8 oz. \$1.00, 1/2 oz. \$4.00, per oz. \$7.00.

Full assortment of separate colors ready now.

New crop of high grade Flower Seeds constantly arriving.

W. W. BARNARD & CO.  
186 E. Kinzie St., CHICAGO.

## ZINGIEBEL'S GIANT PANSIES

"Huge jewels of velvet and gold."—Boston Transcript.

are the finest strains up to date, either here or abroad. Our seed this season is from extra quality flowers, superb coloring and largest size.

THE GIANT FANCY STRAIN, in trade packages of 500 seeds, at \$1.00.

And THE GIANT MARKET, 2000 seeds, for \$1.00 also.

Seeds tested and Satisfaction Guaranteed.

Plants of the above strains for sale at the same rate as the more common varieties. Giant Market, \$5.00 per 1000; Giant Fancy, \$10.00.

With our new system of packing plants can be sent any distance.

PLANTS FOR SALE AFTER AUGUST 1ST.

DENYS ZIRNGIEBEL, Needham, Mass.

## Herr's Pansies.

Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

L. B. 496.

ALBERT M. HERR, Lancaster, Pa

## C. Soltau & Co.,

### FLORISTS

199 Grant Avenue, JERSEY CITY, N. J.

We make it a specialty to grow

### PANSY SEED AND PANSY PLANTS

and we try to grow them to perfection. We have been very successful in our efforts, and have given general satisfaction to our customers. We continually receive the most flattering testimonials, and a complaint is UNKNOWN to us. What we promise we deliver, i. e., SEEDS WHICH WILL SPROUT AND PLANTS FIT TO BE SENT OUT. Our stock is the popular kind:

### PANSIES WORTH RAISING

both for the grower and the buyer.

We are offering now Seed of 1895, containing our latest styles, in quantities of 1/8 oz., for \$1.00.

Seed of 1894, fall crop and as good as the above, but not containing as many of the new varieties. \$2.50 per 1/2 oz., or \$4 per oz.

Plants, fair size, but not yet in bud. \$2.50 per 500, or \$4.00 per 1000, delivered, well packed, free on board of express here.

Our terms are CASH WITH ORDER.

When writing to any of the advertisers on this page please mention the American Florist.

## PANSY SEED

THE JENNINGS STRAIN OF LARGE FLOWERING AND FANCY PANSY SEED.

New crop now ready. The finest American strain is what every florist wants.

Very finest mixed, all colors, per ounce \$6.00; pkt. 250 seeds, \$1.00.

The Jennings XX strain, \$8 per ounce; pkt. \$1.00.

Victoria, bright red ..... pkt. 1.00.

Pure white ..... pkt. 1.00.

Finest yellow ..... pkt. 1.00.

Dr. Faet, black ..... pkt. 1.00.

Dark Blue ..... pkt. .50.

The above all my own growth of 1895 from extra selected stock. 1/2 pkts. of any the above, 50 cts.

E. B. JENNINGS, Wholesale Pansy Grower,  
Lock Box 254, SOUTHPORT, CONN.

## PANSY SEED.

New Crop just arrived.

GIANT PRIZE PANSY, most brilliant mixture ever sold, containing the finest varieties in splendid colors and excellent size. Highly appreciated by all who have tried it.

1-4 oz. \$1.50. 1 oz. \$5.00.

FLORIST'S MIXTURE A No. 1, very fine mixture of large flowering varieties and choice colors, especially selected for florists' use.

1-4 oz. \$1.00. 1 oz. \$3.00.

Our Pansy Seeds have been personally examined in Germany.

Write for pamphlet about "LYSOL" the Ideal Insecticide.

HERRMANN'S SEED STORE,

413 E. 34th St., (near L. I. Ferry), NEW YORK.

## PANSY SEED.

Our extra selected Giant Trimaideau Strain is not grown with intent to sell seed. Recent favorable weather is producing enough for our sowings and to spare. 1/8 oz., \$1.00; 1 oz., \$5.00, cash. Plants of these and other choice collections Sept. onward.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

## SEEDS, BULBS, FLORISTS' SUPPLIES.

\$5.00 per oz.; \$1.00 per 1-8 oz.

\$5.00 per oz.; \$1.00 per 1-8 oz.

**CALCEOLARIA**

Hybrida grandiflora, Covent Garden mixed, pkt. 50c.

**Cineraria**

Hybrida grandiflora, choicest English Prize, 1-32 oz. \$3.50; pkt. 50c.

**CYCLAMEN**

Grandiflorum splendens, richly marked compact foliage, erect flowers.

	1000 seeds.	100 seeds
Pure White, large flowering.....	\$6.00	\$ .75
White, with dark eye, large flowering.....	5.00	.60
Rosy, large flowering.....	5.00	.60
Bright Red, large flowering.....	5.00	.60
Superb mixed, large flowering.....	5.00	.60

**FINEST SELECTED LARGE FLOWERING ENGLISH STRAINS.**

Dame Blanche, pure white, extra fine.....	the 1-32 oz.,	\$1.00
Crimson King, very brilliant.....	"	1.00
Excelsior, delicate blush, dark eye.....	"	1.00

**Primula**

Choicest English Strain

From the best named sorts, in mixture, at \$1.00 per pkt. (about 250 seeds).

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	Per 1-16 oz.	Per pkt.
Superior White.....	\$1.25	\$.25
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Superior Carmine.....	1.50	.25
Superior Blue.....	4.00	.50
Superior Mixture.....	1.00	.25
Fern-leaved, white or red.....	each,	.25
Double Flowering, white.....	.50	.25
Double Flowering, mixed.....	.50	.50

**PANSY IMPROVED STRAINS of**

	1/8 oz.	Pkt.
Bugnot, large flowering, beautifully marked.....	\$1.50	\$.25
Odier's Five Spotted.....	1.50	.25
Giant Trimardeau, finest mixture.....	1.00	.25
" " Golden Yellow, dark eye.....	1.50	.25
" " White, with dark eye.....	1.50	.25
" " Atropurpurea, purple violet.....	1.50	.25
" " Ultramarine Blue.....	1.50	.25
" " Lavender and Purple.....	1.50	.25

August Rölker &amp; Sons, 136 &amp; 138 W. 24th St., P. O. STATION E, New York



## Liability for Cutting Ornamental Trees.

The supreme court of Tennessee has affirmed a judgment for \$300 damages done in cutting three holly trees upon a residence lot near Memphis (Cumberland Telephone and Telegraph Co. v. Poston, 80 S. W. Rep. 1040). The company in question had been for several years operating a telephone line in front of the premises containing the trees. Desiring to change the location of the poles and line the superintendent of the company applied on the premises for permission to trim up the limbs of the trees which were growing near the front fence, but the parties in possession directed him to the owner, who did not live there. On that same day the superintendent was accosted on the street by a neighboring land owner, who stated, through mistake, that he was the owner of the property and gave permission to trim the evergreen trees in the yard. Supposing that he had the necessary permission from the owner the superintendent cut off the limbs from three of the holly trees, greatly disfiguring them. The trees had been planted with much care 35 years before, and were very shapely, highly ornamental and much prized. The evidence as to the amount of actual damage done by the trimming ranged from nothing to \$500 a tree. However, there was here evidence sufficient, the supreme court thinks, to raise the question of gross negligence on the part of the company in not exercising more caution to find and obtain the consent of the true owner of the property that the trees might be cut, and in cutting the trees at all, it satisfactorily appearing that the trees were only 35 to 40 feet high, and, by use of three poles of 50 feet in length, cutting the trees might have been entirely avoided. The court also thinks that there was here sufficient evidence of gross negligence and wantonness to justify the admission of evidence with a view to the assessment of exemplary damages if the jury should decide it to be a proper case for such damages. It should furthermore be noted that it was shown in this case that the rental value of the property had not been diminished, and opinions were expressed that the market value had not been changed by what had been done to the trees.

Right of Trolley Railway Company to Top Overhanging Trees.

The supreme court of New Jersey holds (Dodd v. Consolidated Traction Co., 31 Atl. Rep. 980) that a traction company authorized by the city to erect its trolleys has the right to top the branches of trees overhanging the street when such action is reasonably necessary for the passage of its wires.

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Manufacturers and Printers of

## Paper Seed Bags

of every description, except Lithographic Bags. . . . .

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WELL ESTABLISHED PLANTS FROM 4-INCH POTS.  
IMMENSE STOCK.

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Mount Hope Nurseries, ROCHESTER, N. Y.

We have the largest stock in this country of THE WONDERFUL NEW ROSE

**GRIMSON RAMBLER.** There is nothing like it known to horticulture. Strong plants from 2½-inch pots, ready now, \$10.00 per 100; \$75.00 per 1,000. Plants for fall delivery—Extra Selected, \$18 per 100; \$150 per 1,000; lighter grade, \$14.00 per 100; \$120 per 1,000.

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Send for Lithographs and Descriptive Circulars of the above. Also for our trade-list of general Nursery Stock. All sent free upon application.

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Having a limited quantity this year to spare of

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IMPROVED ELOISE FRANCIS,**

I offer it to the trade at \$1.50 per hundred seeds. to be delivered on and after July 15th, 1895. All fresh and good seed. Cash with all orders. No agents. Address

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under your benches. Others have done so for years, why not you?

Fresh English Spawn, 100 lbs. \$8.00;  
10 lbs. \$1.00.

August Importation, on Steamer St. Louis, just in.

**W. W. BARNARD & CO.**  
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## LAST CALL FOR CHRYSANTHEMUMS

for Late Planting in Benches or Pans.

Large assortment best old and new varieties in soft young plants, 2½-in. pots @ \$2.75 per 100. Cash with order.

Also 100 Swainsona gal. alba, 4-in. pots, \$8.00 per 100; \$1.25 per dozen.  
List on application.

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Villa Nova,

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## \$4.00 A TON ON CARS, Best Hard Coal

SHIPMENTS MADE FROM  
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\$15.00 per hundred.

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The Most Remarkable Production  
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OF ROBUST GROWTH, PRODUCING A HEAVY CROP OF  
**Big Red Early Fruit of the Finest Quality.**

For opinions of the Press, see all leading European Papers. "The Gardener's Chronicle" says:

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Sole Agent for the U. S. and Canada,

Or: LETELLIER ET FILS, Caen, Calvados, France.

**Sold to the Trade Only.**

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— OF THE —

### SOCIETY OF AMERICAN FLORISTS.

Florists visiting the Convention to be held in Pittsburg, August 20 to 23, 1895, will find our

### Exhibition of Decorative Plants,

Such as Palms, Ferns, Araucarias, etc., to be the most complete and comprehensive display of the kinds and sizes that we grow in quantity. There will also be an exhibit of Seasonable Bulbs.

Our representatives, Messrs. Walter Mott and Geo. A. Strohle, will be in attendance, and pleased to show stocks, furnish prices and give any information desired.

Delegates passing through Philadelphia or New York en route to Pittsburg will find it to their advantage and interest to call at our Nursery in Riverton, New Jersey, and personally inspect stocks that are admitted to be the best in the country. We are adding 52,000 square feet of glass to four acres already under cover, and we can give you an object lesson to prove home grown plants sold at moderate rates are what the people want. Time cards and information how to stop over cheerfully mailed.

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### Strong Plants Cheap

	Per 100
Begonia Metallica, 4-inch.....	\$6 00
" Rex, varieties, 2½-inch.....	4 00
Cyperus Alternifolius, 3-inch.....	5 00
Abutilon "Eclipse," 3-inch.....	5 00
Asparagus Plumosus, 4-inch.....	8 00
Swainsona galegifolia alba, 3 inch.....	4 00
Violets, Marie Louise, strong.....	2 00

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### New Double Petunias

We will have 20,000 of the  
finest double fringed Petunias  
you ever saw, about 1st of  
October.

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Fruit Tree Stocks, Ornamental Trees,  
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USSY, (Calvados), FRANCE.

will be mailed on application to their sole  
Agents,

**C. C. ABEL & CO.,**

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NEW YORK.

## Decorations Abroad.

A lovely dinner decoration arranged last week by the Women's London Gardening Association, consisted of Shirley poppies rising out of an undergrowth of silver thistles and the most delicate of gray-green grasses. Only the daintiest shades of pink and rose-colored flowers were used, and these were mounted so as to look perfectly natural, yet not droop nor fall to pieces. The receptacles were silver cornucopias, out of which the clusters of pink and sea-green seemed to be launching themselves into space. The baskets were placed on the table in "careless order," those in the center being somewhat higher than the others. No slips were used, but over the white cloth meandered from one basket to another coils of pale pink ribbon, thick and curiously woven, crossed at intervals by lighter sprays of silvery leaves and grass. The sweetmeats on this fairy-like table were also supplied by the association, and were palest pink, rose and tender green.

A charming tea-table by the same firm was arranged with cornflowers, brown leaves, and grass, in tall, slender crystal tubes, tied with shot blue ribbon; the cloth was blue ribbon trimmed with hand-made lace, and little dishes of blue and brown fondants were dotted about, and helped to carry out the color scheme. A handsome butterfly bouquet was sent into the country last week for a wedding; the wings were of faint peach-tinted orchids, with small sprays of asparagus fern of various shades of green, and the center was composed of a cluster of deep velvety purple iris of a new and choice kind. Some beautiful presentation baskets have lately been sent out by the association. One, a large white basket with bamboo handle, filled with tall white lilies, white gladiolus, and mixed foliage, a great bow in different shades of green at the top. Another was a large brown twig basket with rustic handle, arranged with poppies, crimson and scarlet, and spikes of gladiolus, scarlet and salmon color; the ribbons were prettily managed to fall over the sides and hang down at a corner of the table on which the basket was placed, with a group of poppy buds and dark leaves across the end.

Bouquets and sprays of special colors, for electioneering purposes, are arranged, and ball decorations of special design.—*London Queen.*

SAMPLES OF THE Rathbun blackberry were recently received by us from James Vick's Sons, Rochester, N. Y. They were large and attractive berries, sweet and high flavored, traveling well. We are informed that it is extremely hardy, being one of the few berries that fruited freely in its district after the destructive frost last May. It seems likely to prove a valuable market fruit.

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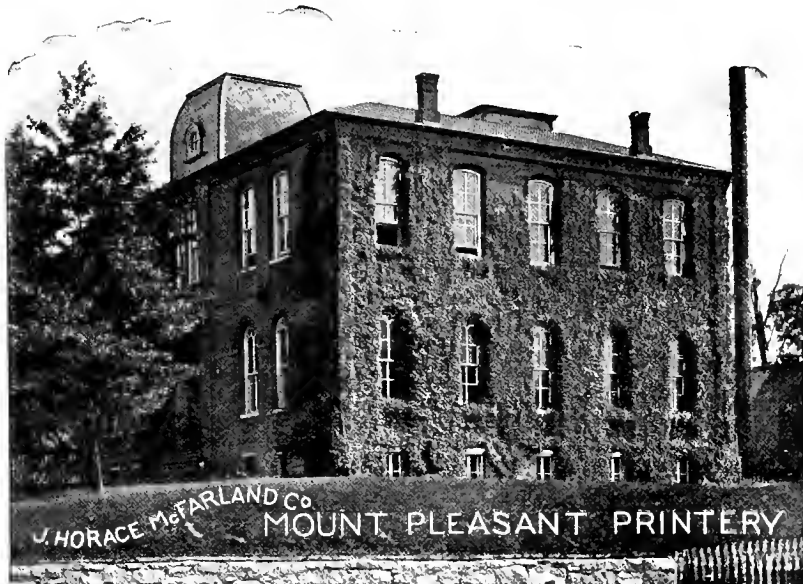
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YELLOW GLOBE DANVERS,  
YELLOW FLAT DANVERS,  
EXTRA EARLY RED,  
WETHERFIELD,  
WHITE PORTUGAL,  
WHITE GLOBE.

Write for  
Prices.

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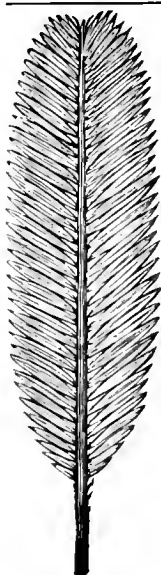
We make high grade Catalogues (write, illustrate and print them), Fine Stationery, Tags, Shipping Labels, Order Blanks and Blank Books—in fact, anything that a first-class printing establishment can turn out, including Designing and Engraving. We have no competitors as to **quality**. Beware of the printer who has no other inducements to offer than a **low price**. He will give you a Catalogue which will be an imitation of one we made last year, and a poor imitation at that.

We will have a man and a few samples at the Pittsburgh Convention. It will do you good to see both.

J. HORACE MCFARLAND CO.,

Mount Pleasant Printery.

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OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

40c, 45c, 50c, 60c,  
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August Rölker & Sons,  
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## SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

## Special. ROSES.

Per 100

Am. Beauty, 2½-inch.....\$ 7.00

Am. Beauty, extra, 4-in..... 15.00

Brides, 2½-inch..... 4.00

Bridesmaid, 2½-inch..... 4.00

Perles, 2½-inch..... 4.50

Meteors, 3½ inch..... 7.00

Souperets, 2½-inch..... 4.00

## FERNS for Florists,

5 good sorts 3.00

SELAGINELLA EMELIANA, 2½-in.... 5 00

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**CALLA ETHIOPICA** in size from 3 inches circumference to monster. **FREESIA refracta alba** from fine flowering bulbs to mammoth. **LITTLE GEM CALLA** medium to extra large.

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BY THE POUND, 10 POUNDS, 100 POUNDS AND TON.

In all standard varieties and superb novelties of 1894 and 1895. The latter only in limited quantity. (We guarantee our stock to be the very best.) **LIL. LONGIFLORUM EXIMIUM**.—This variety grows yearly more in favor and will finally be found equal to the Harrisii. All varieties of Japanese bulbs, **Auratum, Rubrum, Album, Melpomene, Kramerii** and 30 others. Fresh Palm Seed. We offer a lot of **KENTIA FORSTERIANA** and **KENTIA BALMOREANA** at \$6.00 per 1000 seeds including delivery. To order now for delivery in Spring. **CYCAS REVOLUTA STEMS**. Orders booked to November 1st, at specially favorable prices. These stems are collected in December only. (Best long leaved sort.) We give on application prices including delivery to any part of the U. S. Our new Price List for 1895-1896 is now ready. If you have not already received it send postal for it. Full information about any point relative to shipping, etc., given. Estimates made. Time by freight from California to Eastern States has been greatly reduced. We freight goods from here to Chicago in 10 to 12 days. We guarantee you good sound stock. Address all communications to

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## Special Offer of Azaleas for Next Season's Delivery 300,000 AZALEA INDICA.

All our own growth, compact, short stemmed plants, covered with buds in the best well known trade varieties at buyers' choice. The Azaleas I offer to the trade are the best grown and the cheapest in every description. 20,000 Deutsche Perle, 16,000 Mme. Van der Cruyssen, 12,000 Vervaeana, 10,000 Simon Mardner, 10,000 Sigismund Rucker, 10,000 Bernard Andrea Alba, 5,000 Doctore de Moore, 5,000 Niobe, 5,000 Empress of India, and more than 50,000 in the best double varieties at the following low prices:

Azaleas, 30 to 40 inches circumference .....	\$15.00 per 100.
Azaleas, 40 to 50 inches circumference .....	25.00 per 100.
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Packing at cost price and good arrival guaranteed. To secure good and cheap Azaleas send your order to

### EUGENE VERVAET DE VOS,

STATE YOUR DATUM OF PAYMENT.

INDIAN AZALEA NURSERIES, SWYNAERDE, GHENT, BELGIUM.

## A Color Chart FOR FLORISTS.

140 Colors Named.  
Bound in very substantial manner.

This Chart, just issued for Printers' use, will be found especially useful for Florists. Publishers price \$2.00. Our Price \$1.25, postpaid.

A. BLANC,

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**TO BE SOLD AT ONCE**  
**5000 SELAGINELLA EMILIANA,**  
2-inch pots, ready for use or shift. Best plant for fern dishes, \$3 per 100; \$20 per 1000.  
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DON'T

"Push it along"

BUT

Put it into the Ground

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### PURE PULVERIZED SHEEP MANURE.

Thousands of Testimonials on file, from the largest and best growers of Flowers and Vegetables, who have used our **SHEEP FERTILIZER** and pronounce it the very best. Write for Catalogue and Price List. Mailed free.

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N. Y.

### John J. Peters & Co.

Mention American Florist.

## Toronto.

Bountiful and frequent showers have fallen during last week, and it is pretty safe to say now that there will be no more use for the hose outdoors this year. Everything is now looking its freshest, brightest and greenest. Flower beds I suppose are now at the height of their glory, but cold nights will soon be in order and take the gloss off. Immense numbers of tourists from "the other side" visit this city daily at this time, they are all loud in their commendations of the Toronto parks and gardens. Last week's weather was also very pleasant to contemplate from a grower's point of view, carnations have made rapid strides lately. The farmers though, the chronic grumblers, are praying for dry weather.

I regret to say that Toronto will be very feebly represented at the S. A. F. convention as regards numbers. I have not met a single man in the trade who would say for certain that he was going. I don't think this is quite as it should be; we are apt to get too self-opinionated and narrow minded if we never go outside our own little world, and I am of opinion that it would be profitable from a financial point of view for men in the profession to take in these things and see what is to be seen in other cities, besides, there is the social and practical benefit to be derived from mixing with one's fellow tradesmen.

Another cricket match is to be played at Exhibition Park on Wednesday, the 21st. E.

## Northern New York Notes.

Mr. C. Becksteadt, of Oswego, N. Y., has built a new carnation house 11x95, and Mr. Wm. Stewart, of the same town, gave his houses a thorough overhauling, replacing the old benches, etc., and putting in a concrete floor in one of his 20x100 rose houses.

A. Stoeckle, of Watertown, N. Y., has added a 20x80 rosehouse to his Ten Eyck street greenhouses, also a carnation house of 18x75 on Holcomb street.

Mr. F. A. Bennett, of Watertown, N. Y., is building four new houses, viz., two of 20x50 and two 10x100, for general florist's stock. These will be built in the most approved style, with the long span to the south. All in all, Mr. Bennett will have 15,000 feet of glass.

Mr. O. Johnson, of Kingston, Ont., will leave shortly for New York to meet his family, who have been traveling on the Continent, viz., England, Germany, France and Norway. Mr. Johnson reports a good trade, and not unlike his neighbors across the lake he entertains the most sanguine expectations as regards coming fall and winter season.

X.

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Colored and Natural Immortelles  
**MY SPECIALTY.**

**JOS. DEFILIPPI,**  
OLLIOULES, (Var.) FRANCE.

I beg to inform my numerous customers in the United States and Canada that all orders must reach me as soon as possible.

**ORDER NOW!**

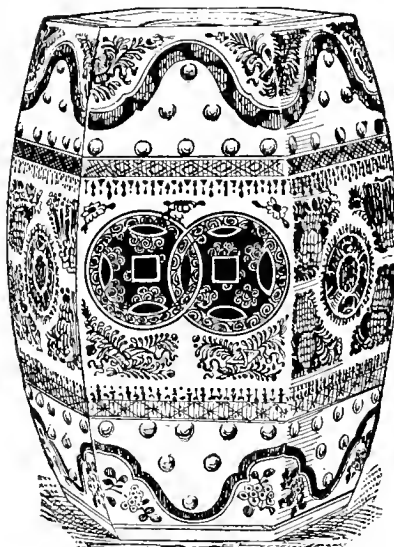
And you will get fresh colors in proper time. If my price list has failed to reach you, please write for same. For important orders, special prices by correspondence. Samples free on request.

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Mention American Florist.



CANTON CHINA PLANT-POT.



CANTON CHINA HALL-SEAT OR PLANT-POT STAND

# Plant Pots AND Pedestals.

We invite the attention of intending buyers or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese plant pots or jardinières, selected by our buyers at the places of production the present season.

They include all sizes and shapes up to the large and very large; from the lowest price up to \$150 each.

Some very costly old blue Canton China.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

Wholesale and Retail.

**Jones, McDuffee & Stratton,**  
CHINA AND GLASS MERCHANTS,  
120 Franklin Street, BOSTON, MASS.

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A pair of attractions of merit will be shown, viz:

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In complete sets,

And that Standard Novelty, of this year,



**RISLEY FLATS—  
SMILAX PLANTS,**

Which all growers should learn about. Shown by the introducer,

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### FINE ROSES,

including La France, Papa Gontiers Mermets, Brides, Bridesmaids, Perles etc. from 3½-in. pots, at \$5 per 100.

### SMILAX,

from 3-inch pots, at \$3.00 per 100.

### FINE FERNS,

Pteris, Adiantum, etc., at \$3.00 per 100. . . . .

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BRIDGEPORT, CONN.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

### Adiantum Farleyense Fern

3-inch, \$3 00 per doz; \$20 per 100.  
4-inch, \$5 00 per doz; \$40 per 100.

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The most Complete Assortment of Stock in the West for

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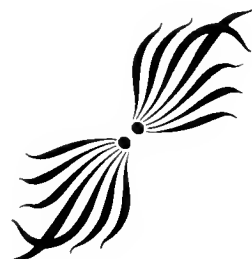
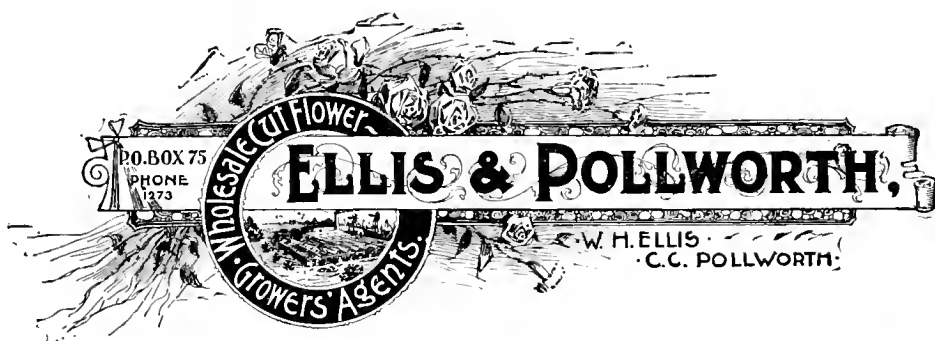
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### WIRE WORK.

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PER GALLON

F. O. B. Louisville or Distributing Points.

Packed in 5-Gallon Cans.



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### Turn Pale in Death!

Louisville Spirit-Cured  
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LOUISVILLE, KY.

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OFFER FOR FALL OF 1895:

- 1,000,000 Asparagus Roots, 2 yrs. old, Palmetto, Barr's and Conover's.
- 5,000 Paragon and Numbo Chestnuts, 1 and 2 yrs. grafted.
- 20,000 Sugar and Silver-leaved Maples, 8 to 14 feet.
- 10,000 Carolina Poplars, 8 to 14 feet.
- 2,000 Purple-leaved Beech.
- 50,000 Deciduous Trees of leading varieties.
- 500,000 California Privet, 1 & 2 yrs. old, very stocky.
- 100,000 Flowering Shrubs, including a full assortment of all leading varieties.
- 10,000 Rosa Wichuriana.
- 20,000 Climbing Honeysuckles.
- 20,000 Climbing Vines, assorted.
- 30,000 Dahlias, finest collection.

Special quotations on application.

Correspondence with the trade solicited in reference to their wants in the ornamental line.

## Asparagus Plumosus Nanus.

- 2,000 strong, bushy plants in 3½ in. pots.
- 1,000 A. Plumosus, extra strong, in 5 in. pots.
- Also a few hundred Pelargoniums, etc.

Apply for price; state quantity wanted.

**500 PALMS**—Phoenix Reclinata, Chamaerops, Pandanus Utilis, Cycas Dracena, Draco, Aspidi-tra, etc. Large plants, 2 to 5 feet, bushy fine stock for decorating.

Will sell cheap; must have room.

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- 20,000 Irish Juniper, field grown, from 6 to 8 inches for transplanting.
- 25,000 Carnations, strong field gr'n plants, good assortment.
- 1,000 La France and Albans, strong, from 3-in. pots, with a good ass't. of young roses, from 2 and 2½-in. pots.

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## CLEMATIS

ONE YEAR OLD. 3½ and 4-inch pots.

JACKMANNI, HENRYI, LAWSONIANA and twenty other sorts. Write for our prices, which are really too low to publish. Also for prices on 2 and 3 year old plants in 5 to 7 inch pots.

**W. S. LITTLE & CO.**  
ROCHESTER, N. Y.

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CLEMATIS, large fl'g, best kinds,	\$3 00	\$22.50
PÆONIES, fine Ass't, named.....	1.25	8.00
POET'S NARCISSUS, double white, large stock.....		.75
SMILAX, 2½-in, fine plants.....		2.50
DOWNING GOOSEBERRIES, best gro'n, 2.50		
<b>F. A. BALLER, Bloomington, Ill.</b>		

## Grand Rapids, Mich.

The oppressive quietness of trade has been relieved by a funeral or two the past week, enabling the florists to get into line. One grave was noticed lined with green cloth to which were pinned four thousand Blanche Ferry sweet peas. Some very artistic and very rich pieces were at this funeral, one a cross of swainsona and lily-of-the-valley, and another a mat, three by four feet, containing several hundred roses, lettered.

Every grower is now up to his ears in his chrysanthemums (standards) and the prospects for the show are steadily improving.

The successful picnic of the club held at the lake last Thursday afternoon and evening still continues to be the principal topic of conversation among the florists, and well it might be, for it brought out a large crowd.

We omitted last week to mention in building notes that Mr. T. N. Renwick has almost completed a fine modern residence near his Crescent avenue green-houses.

Chas. Chadwick has added a violet house to his plant 178x11 and has it planted. He is supplying the market with some of the finest Wm. Scott carnations ever seen here.

George Bolton has leased the Thomas street houses and will take possession in September. C.

## Catalogues Received.

Chas. D. Ball, Holmesburg, Phila., Pa., palms and decorative plants; J. M. Thorburn & Co., New York City, wholesale trade list bulbs; W. Atlee Burpee & Co., Philadelphia, trade list summer and fall seeds; Messrs. Linden, Brussels, Belgium, rare orchids; H. H. Berger & Co., San Francisco, trade list bulbs, trees and plants; C. Petrick, Ghent, Belgium, stove and greenhouse plants; Tillinghast Bros., La Plume, Pa., seeds; Anna B. Nickels, Laredo, Tex., cactus seeds; Universal Nursery Co., Wahroonga, North Sydney, New South Wales, fruit growers' guide; Robt. L. Merwin & Co., New York City, horticultural manures; Henry Nungesser & Co., New York City, trade list grass and clover seeds.



**USE W. C. KRICK'S**  
**FLORISTS'**  
Immortelle Letters, Etc  
Medal Awarded at the  
World's Fair.  
And Highest Award  
Wherever Exhibited.  
These Letters and  
Designs are made of  
the best Immortelles,  
wired on wood or metal  
frames, having holes  
drilled in them to in-  
sert toothpicks, by  
which they are fast-  
ened in the design.  
Give them a trial. You  
will find these goods to  
be superior to any in  
the market.  
2-inch Letters, \$2.50  
per 100.  
Postage, 15 cts. per 100.

**Krick's Letters.**

**THE BEST.**

For other styles of Letters, Emblems and Designs, send for catalogue. Before purchasing send for free sample and catalogue, and compare with any other letter on the market.

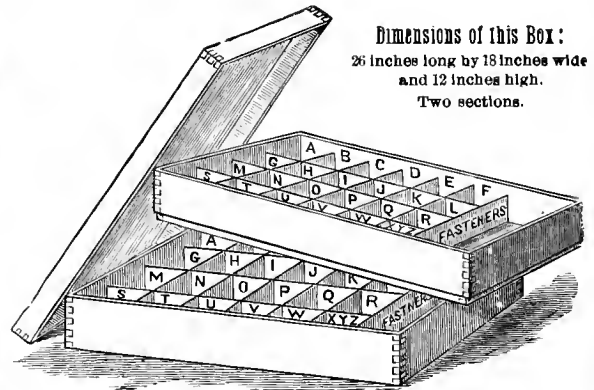
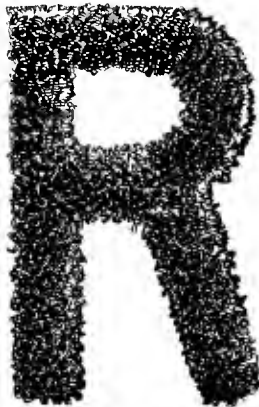
**W. C. KRICK, 1287 Broadway, Brooklyn, N. Y.**  
For sale by all Florists' Supply Dealers.

**A full line of Samples on exhibition at the Convention.**

**BLOOMING SWAINSONA.**

Fine plants, 6 inch pots, 30c. each; \$3.00 per dozen. Also smaller sizes.

**JOHN WELCH YOUNG,**  
Cermantown, Pa.



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

**BOSTON FLORIST LETTER CO.**

Manufacture THE BEST LETTERS IN THE MARKET.

Sizes 1½-in. and 2-in. 2.00 per 100. Patent fastener with each letter.

OUR NEW SCRIPT LETTER, \$4.00 per 100.

**N. F. McCARTHY,** Address 13 Green St.,  
Treas. & Mgrs. Boston, Mass.

Address all correspondence to 1 Music Hall Place.

We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers in Boston.

Mention American Florist.

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H. Bayersdorfer & Co., Philadelphia, Pa.  
A. C. Kendal, 115 Ontario St., Cleveland, O.  
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Portland Seed Co., 171 2d St., Portland, Ore.  
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Welch Bros., No. 1A Beacon St., Boston.  
N. F. McCarthy & Co., 84 Hawley Street, Boston.  
The Henry Philipps Seed and Implement Co., Toledo, O.  
Walter A. Potter & Co., Providence, R. I.  
J. C. Vaughan, 26 Barclay St., New York.  
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## The Metal Floral Designs

I manufacture the handsomest, most

natural, and in price most reasonable.

In **CAPE FLOWERS** I have the largest and best stock in the country.

**PEARL WREATHS**, the latest novelties.

**BASKETS**, the newest designs. **CYCAS PALM LEAVES**, prepared by the latest process. D. R. Patent No. 16,440.

Immortelles, Moss Wreaths, Wire Designs, Toothpicks, Grasses, Doves, Tinfoil, Immortelle Letters, Sprinklers, Vases, Chenille, and everything you need in the florist supply line.

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Near Ferry.

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CALLA LILY BULBS,  
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For prices, etc. write  
**R. H. JAMES, Columbia Farm, St. Georges, Bermuda.**

**PALMS SELL ALL THE YEAR.**

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 4 & 5-inch \$3.50, 20 for \$6; 6-inch for \$5. All good selected varieties. Special sale: Choice Ferns, \$5.00 & \$6.00. **SMILAX**, nice plants in 2½-inch pots, \$2.00 per 100. Send for lists. **Williams & Sons Co., Balavia, Ill., Labels & Moss, etc.**

**PRIMROSES.**

Chinese primroses of the finest strains in cultivation. Flowers large fringed, brilliant colors, twelve sorts. Plants stocky; thrifty, early blooming, ready for three inch pots.

Price for the single flowering, per hundred, \$ 2.50  
" " " " " thousand, 20.00  
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Address order and remittance (or may be sent C. O. D.)

**HENRY S. RUPP & SONS, Shiremanstown, Pa.**

**UMBRELLA PLANTS.**

Nice plants out of boxes, ready for 4 and 5-inch, \$3.00 per 100; second size, \$2.00.

Swainsona G. A., Grevillea R., 2-in., \$2.50 per 100.  
**WM. HERZOG, Littleton, N. J.**

# WE ARE THE PEOPLE

For the finest assortment of Florist's Supplies to be had this side of the Atlantic, We shall have only a few of our novelties at the convention, our assortment being too large to have all there, such as

**BASKETS, METAL DESIGNS,  
WHEAT SHEAVES, DOVES, IMMORTELLS, CAPE  
FLOWERS, CRASSES, CHENILLE, POT COVERS,  
PLANT STANDS, ARTIFICIAL FLOWERS  
AND LEAVES.**

Just take a look over the samples and if in the market to buy we will be pleased to book your order and give same our prompt and personal attention. Trusting to be favored with your kind attention, we are,

Yours respectfully,

**M. RICE & CO.,**

**25 N. 4th Street,**

**Philadelphia, Pa.**

**WISCONSIN FLOWER EXCHANGE.**

(WHOLESALE ACCOMODATIONS)

**MILWAUKEE, WIS**

**Sphagnum  
Moss**

We have this of good, clean quality, baled tight in wire, it costs less freight, holds more moss, is more convenient to handle and takes less room than the old fashioned Burlap bale. We sell it cheap, sample bale on receipt of \$1.00.

**Sheep  
Manure**

We can furnish this in any quantity. Our's is gathered from under sheds and is not weakened by the sun or rain. We make price reasonable, deliver east or west. Sample 100 pounds for \$2.00.

**Wire  
Designs**

We make this ourselves, best quality, lowest prices, price list on application, also florists' wire, adjustable plant holders for carnations, roses and other plants. Send for price list.

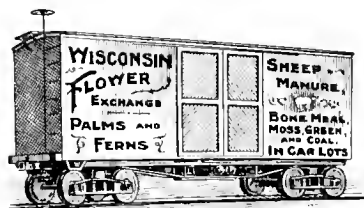
**ALBERT'S HORTICULTURE  
... MANURE ...**

We carry a stock of this valuable article for convenience of western trade. Write for trade prices and discount on retail packages.

**CANE STAKES  
BONE MEAL  
RUBBER HOSE  
LABELS  
TISSUE PAPER**

**Bulbs**

**PLANT TUBS**



**OUR LIQUID PUTTY**

Convenient, time saving, more durable, keeps out wind; holds like paint to wood, it comes in cans all ready for use; no waste, you cannot afford to be without a can of this constantly on hand, can 12½ and 25 pound sample can with putty bulb, \$1.50.

**SILKALINE  
SPRINKLERS  
LAWN ROLLERS  
RUBBER BANDS, for bunching flowers.  
BOILER PIPE, Etc.**

**Bulbs**

**MONTHLY QUOTATIONS**

We issue monthly quotations on seasonable stock of all kinds, giving many pointers of value to our growers and customers. We advertise in it all stock our friends may have for sale and search for any they may be in need of. We do this on our original commission plan, an investigation is worth your while. Sample copy on application.

468 Milwaukee Street.

WISCONSIN FLOWER EXCHANGE.

P. O. Box 87.

**John Conley & Son,**  
Manufacturers of  
**TIN FOIL**  
2 AND 4 DOMINICK STREET,  
New York.

Please mention the American Florist every time you write any of the advertisers on this page.

**BRILLIANT GREEN and BRONZE  
Galax Leaves,**  
LARGE AND SMALL SIZES  
**For Decorating and Florists' Use.**

The Bronze Leaves in season, November 1st to 15th. Can furnish Green Leaves at any time.  
WHOLESALE FLORISTS GENERALLY, OR  
**CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.**

Worcester, Mass.

No change has been noticeable in the condition of trade since last report, perhaps a slight improvement over last month. The usual line of summer flowers is in good supply; asters have become very plentiful and sweet peas are a drug on the market, selling at all the fruit stands for three cents a bunch, roses are gradually improving both in quality and quantity.

The horticultural exhibition on August 1 was a very pleasing and successful show with numerous exhibits well staged and attended by many interested people. The call for cut flowers, 20 blooms, brought out a big lot of displays that made a fine showing, which was fully equaled by the exhibit of baskets. A splendid display of wild flowers and ferns was the feature of the show however, and surpassed anything in this line ever shown here, nice stands of dahlias, zinnias and peas made up the balance of the show.

All of the essays read before the society at their winter meetings have been printed in neat pamphlet form and distributed among the members and others interested.

Considerable funeral work has been turned out during the last week, but outside of this business has been very light.

Roses are improving in quality every day, and good carnations are plentiful; outside stuff is available in car loads. Field stuff is looking nicely and the soil is in good condition to lift carnations now.

Good collections of antirrhinums, German stocks and Dianthus chinensis were shown at Horticultural Hall August 8.

Building, repairing, potting Harrisii or tying up 'mums is keeping us very busy now, and Pittsburg seems very far away.

A. H. L.

## Pointers for the Help.

One cannot read the FLORIST week by week without gaining a pointer or two. How many employers think it essential that their help should share this knowledge? I feel sure that every florist would be a great gainer if he provided his men with copies of your valuable paper. I do not mean a copy for each, but some should be kept in the office for use during dinner hours or for evening reading. No one will dispute the fact that a man who is up to date is far more valuable than one who follows the practices of 20 years ago. How is a man to keep posted if he does not read the papers and get the ideas of other men. I trust that at Pittsburg this advice will be acted upon, and the proprietors of large establishments should put their names down for at least five copies. If this is done, I feel assured at the convention next year they will say it has been money well invested.

Syracuse, N. Y.

H. YOEUELL.

Milwaukee.

Mr. Robert Currie, who has been until recently in the employ of his cousins, Currie Bros., has purchased five acres in Wauwatosa and will at once prepare for growing. Carnations and violets will be the principal crop for the beginning.

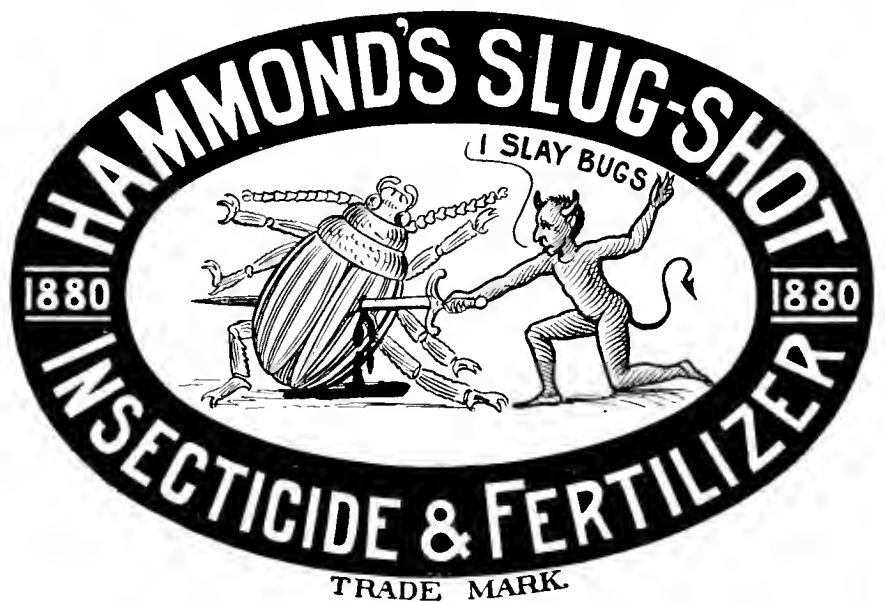
W.

**TOBACCO DUST.** Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.

Vaughan's Seed Store. Box 222 Chicago.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

## SLUG SHOT KILLS SOW BUGS.



And nearly all other kinds of Bugs.

It is used in every State in the Union and Canada, and sold by

**E. W. FYFFE SONS & CO.**

BOW STREET, LONDON, ENGLAND,

And the Seedsmen of America.

# If you grow

Carnations, Chrysanthemums, Palms, Roses, Violets, or anything else worth growing, and are not feeding them with

**Albert's Horticultural Manure,**

you are missing a mighty good thing.

It can be used in solution, as a top-dressing, or mixed with the soil. Put up in 10, 25, 50 and 100 pound packages for florists' use, and in 1, 2½, and 5 pound tins for retail purposes. Write for trade prices and pamphlet.

**ROBT. L. MERWIN & CO.,**

General agents, United States, 83 Wall St., New York

THE ORIGINATORS OF THE STANDARD FLOWER POTS.

Our capacity now is **12,000,000**

**STANDARD FLOWER POTS PER YEAR.**

A Full line of Bulb Pans.

Send for Price List. **The Whilldin Pottery Company,**

BRANCH WAREHOUSES: **713 to 719 Wharton Street, PHILADELPHIA, PA.**

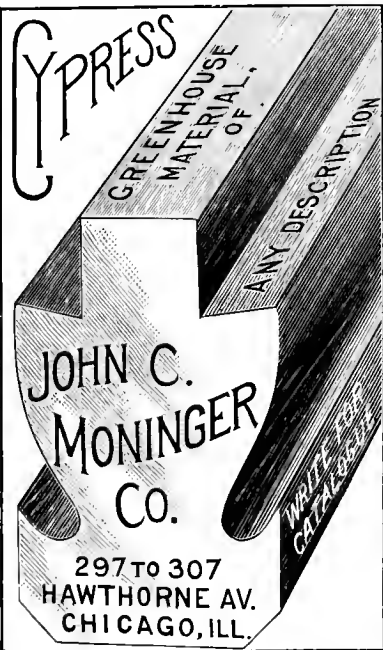
Randolph Ave. and Union St., Jersey City, N. J.  
Jackson Ave. and Pearson St., Long Island City, N. Y.

## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipple Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

**SYRACUSE POTTERY CO.** **OFFICE:** 403 North Salina Street, SYRACUSE, N. Y.



We carry constantly  
A LARGE AND COMPLETE STOCK  
OF  
**CLEAR LOUISIANA CYPRESS  
LUMBER**

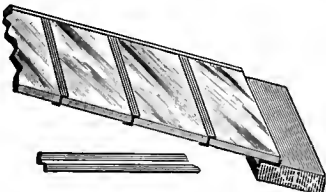
And can fill all orders promptly.

**JOHN C. MONINGER CO.**

OFFICE AND FACTORY:  
297 to 307 Hawthorne Avenue,

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**IMPROVED GLAZING.**



GASSER'S PATENT ZINC JOINTS for putting glass makes greenhouses air and watertight; also prevents sliding and breakage from frost. Does not cost as much to heat a house glazed with the joints, thereby saving enough in fuel to more than pay the additional cost of glazing. The leading florists of the country are using them. Write for circulars with full particulars and price list.

**J. M. GASSER, FLORIST,**  
Euclid Avenue, CLEVELAND, O.

**J. N. STRUCK & BRO.**

Manufacturers of

• **CYPRESS** •  
**Greenhouse Material,**  
**LOUISVILLE, KY.**

**FLOWER POTS.**

We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

**Florist Standard Pots**

Send for price list and samples (which will be sent free), and we know you will give us your order.

**J. G. SWANN'S SONS,** P. O. Box 78,  
Minneapolis, Minn.  
Mention American Florist

**GLASS, ROCK BOTTOM PRICES.** Send for Estimate. Satisfaction guaranteed.  
**REED GLASS CO.,**  
102 South 5th Avenue, NEW YORK CITY.

**MAIL** LOCK THE DOOR BEFORE  
THE HORSE IS STOLEN  
DO IT NOW.  
**JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.**



OUR STOCK OF  
**Standard Flower Pots**

is all right, of good weight, well burnt and a cherry red color. When in need of Pots just try us on once, and we will show you what a first-class Standard Pot is.



**Detroit Flower Pot M'f'y,**

Est 1853.

P. O. Address 490 Howard St, DETROIT, MICH.

The originators of the Standard Bulb or Fern Pan; as to their general usefulness and quality we would refer you to

Wm. Scott, Buffalo, N. Y.  
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**STANDARD FLOWER POTS**

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

**A. H. HEWS & CO., N. Cambridge, Mass.**

**STANDARD FLOWER POTS.  
FERN PANS AND PALM POTS.**

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address  
**PITTSBURGH CLAY MFG. CO., New Brighton, Pa.**



**Standard Flower Pots.**

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere. . . . .

**CAMBRIDGE TILE MFG. CO., Covington, Ky.**

**ESTABLISHED 1866.**  
**FLORISTS WIRE DESIGNS**  
MANUFACTURED BY  
**N. STEFFENS**  
**335 EAST 21ST ST. NEW YORK.**



## San Francisco.

Business brightened a little last week, there being quite a demand for white stuff. White asters find a ready sale on account of numerous church decorations; amaryllis are in and are of fine quality. Roses are not very plentiful; some very good Testout are to be seen. This rose is a great favorite here.

Grallert & Co. of Colma Station are beginning the erection of two new houses for carnations, which is their specialty, their chief sorts being Portia, Daybreak, McGowan and Scott. They have been sending in some very good Coreopsis lanceolata this summer which caught the public favor, and find a ready sale.

Frank Pelicano and his party have returned from their camping trip of two weeks' duration.

On the night of August 2 some unknown person robbed the safe of the Sherwood Hall Nursery at Menlo Park. He was promptly caught and lodged in jail, and the money was recovered.

The seed farms all through Santa Clara and Menlo Park are now very busy harvesting seed, large forces of men being at work.

M. Lynch is replanting some of his carnation houses with Wm. Scott and Daybreak.

Mr. Chas. Navlet of San Jose gave a "grand opening" in his new store last Sunday. The store was thronged with visitors and each one was presented with a bouquet of sweet peas, asters or carnations.

Trade some days is very good and others it is very poor. There is quite a demand for longiflorums at \$1.50 per dozen, but the growers have very few of them at this season. Gladiolus have come in but appear to go slowly. Good asters, particularly white, sell readily at \$1.50 per 100. The only good roses coming in are from Chaoarri, who has the old Neuherger place. His roses are particularly fine for this season of the year.

At John Carbone's place at West Berkeley the chrysanthemums have made a good growth, and this season again will fully sustain their reputation for fine 'mums. The roses are looking well, especially Testout, Bridesmaid, Bride and Mermets, which are standard sorts at this place.

Mr. George Ernst, junior partner of the firm of Pelicano & Co., has gone on a few weeks' trip to Southern California.

Mr. James Kidd of the Sunset Seed and Plant Co. has returned home from his eastern trip.

Out at Golden Gate Park a great deal of planting has been done this season. Lately the rabbits, which are preserved here, have been doing plenty of damage to young chrysanthemums and other soft stuff, much to the dissatisfaction of the gardeners who are in charge of the work.

METEOR.

On July 19 Mr. John H. Sievers read a paper on tuberous begonias before the State Floral Society, describing culture and hybridization of these flowers. The paper was illustrated by a fine exhibit of cut blooms, among them some fine new varieties.



## DIANITE

Quickest and most effective cure for

## MILDEW,

Rust, etc.; added to manure improves and cleanses it. 10 lbs. for 75c. 25 lbs. for \$1.50, bags of about 110 lbs. \$5.00 Net Cash.

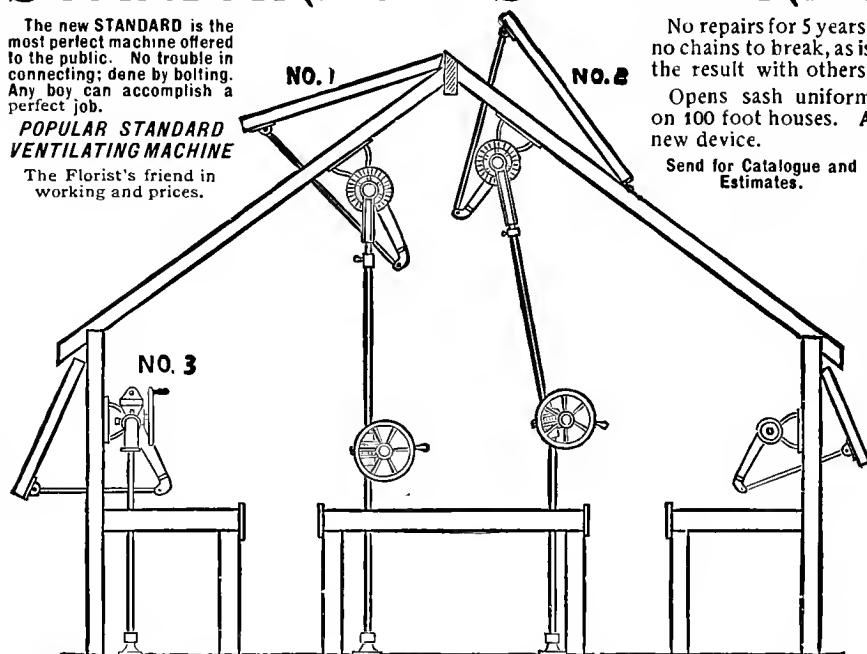
AUGUST RÖLKER & SONS.  
P. O. Station E., New York.

## STANDARD! STANDARD!

The new STANDARD is the most perfect machine offered to the public. No trouble in connecting; done by bolting. Any boy can accomplish a perfect job.

## POPULAR STANDARD VENTILATING MACHINE

The Florist's friend in working and prices.



No repairs for 5 years; no chains to break, as is the result with others.

Opens sash uniform on 100 foot houses. A new device.

Send for Catalogue and Estimates.

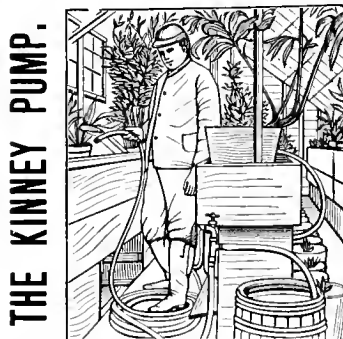
E. HIPPARD, Youngstown, Ohio.

## Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

## LOCKLAND LUMBER CO.

LOCKLAND, O.



THE KINNEY PUMP.

THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

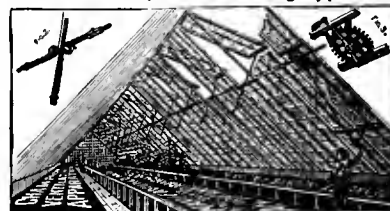
HOSE CONNECTION CO., Kingston, Rhode Island.

Only 29 Kingstons in the U.S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDN, Sec'y Mt. Greenwood Cemetery Assoc., Ill.

"The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

Mention American Florist.

## HAVE YOU HEARD of the Champion Ventilating Apparatus?



THIS IS IT.

Efficient, Easily Operated, Economical. YOUR INTERESTS DEMAND AN INVESTIGATION. Our circular is free for the asking.

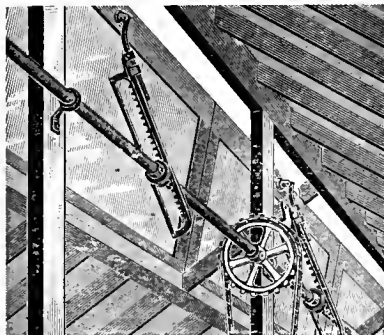
AMERICAN ROAD MACHINE CO., Kennett Square, Pa.



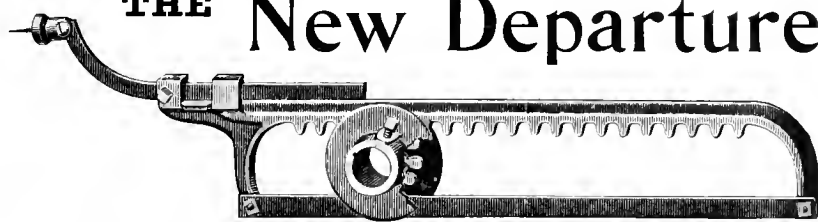
# YOU NEED IT EVERY HOUR,

And a very little money will buy

## THE New Departure



THE NEW DEPARTURE ON DUTY.



## OR "MEAT SAW" VENTILATOR.

It is the **CHEAPEST** and **BEST** appliance ever put on the market. Send for a Catalogue and get a new idea on Greenhouse Construction.

J. D. CARMODY, Evansville, Ind.

## THIS IT THE AMERICAN CHAMPION WATER HEATER

FOR GREENHOUSE HEATING BY HOT WATER SYSTEM.

It is made by a **FLORIST** especially for Florists' use. It can be enlarged at any time more heat is needed, and it burns **soft coal** without clogging.

J. D. CARMODY, Evansville, Ind.

SEND FOR DESCRIPTIVE CATALOGUE. . . . .

Don't fail to look for the New In-de-struc-ti-ble Greenhouse Sash Hinge in the Exhibition Hall. We make it.

# PAINT

OR PUTTY. STANDARD and LIQUID

For Greenhouses,  
Conservatories  
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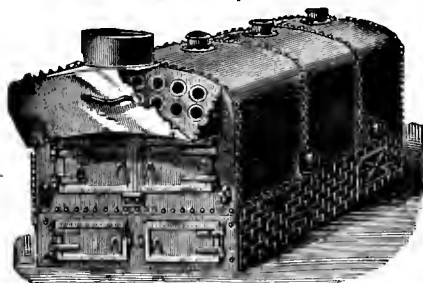
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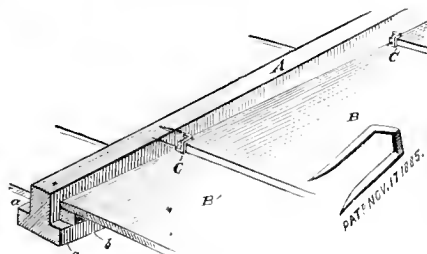
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## News Notes.

FOSTORIA, O.—The Fostoria Floral Co. dissolved partnership July 24, F. W. North retiring. The business will be carried on in future by Emerson R. Sackett.

ST. THOMAS, ONT.—While Hugh McLean was out driving July 28 his horse took fright and ran away. Mr. McLean was severely shaken up and his carriage badly demolished.

PITTSFIELD, MASS.—Col. Cutting is about to close up his greenhouses at Meadow Farm. The dispersion of this valuable collection of plants will be a severe loss to Pittsfield.

PORT NORFOLK, VA.—The Tide-Water Floral Co. is a new firm of which W. J. Harris and Percy C. Petrie are proprietors. The firm is building five new houses, two 18x126, two 11x126 and one 24x74.

HARTFORD, CONN.—A meeting of the Connecticut Horticultural Society was held on the evening of August 7 for the purpose of making arrangements for the autumn exhibition which is to be held in the First Regiment Armory in September.

LENOX, MASS.—Mr. J. F. Huss will sail for Europe on La Champagne August 31 to visit his old home at Lausanne, on the border of the beautiful Lake Geneva, Switzerland. He will also spend considerable time at Paris, London and other large horticultural centers.

GRAND RAPIDS, MICH.—The city is planning the erection of new greenhouses at John Ball Park. The plan contemplates three greenhouses proper, each 18x100 feet, and north of there and connected with the old greenhouse an ornamental conservatory with 24x26 feet boiler room. The conservatory, which will be the ornamental front of the new greenhouses, is 60x28 feet at the ends, which are half octagons, while the center swells south, making the width forty feet.

PEORIA, ILL.—Trade very light, and yet a marked improvement over last year. During the past ten days quite a brisk demand for roses. Sweet peas have met with ready sale. Outdoor stuff amounts to nothing, owing to dry hot weather. The work at Glen Oak Park is being pushed rapidly; when completed it will be the finest park in the State. Cole Bros. are rebuilding some of their houses. The only new greenhouse is being built at J. C. Murray's place for mums, size 11x100. This will make the third house that he has added to his well built plant. Murray reports business very satisfactory.



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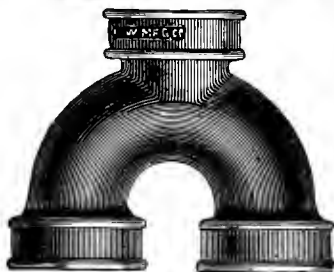
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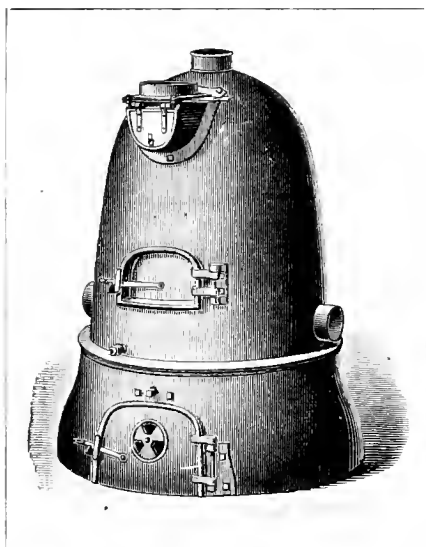
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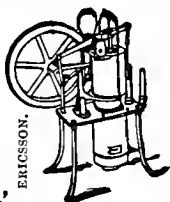
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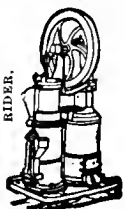
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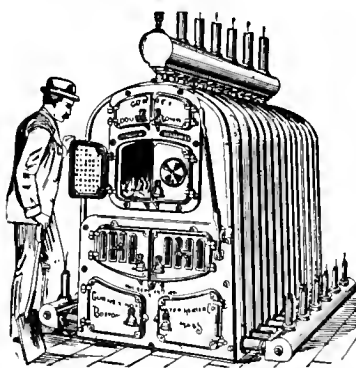
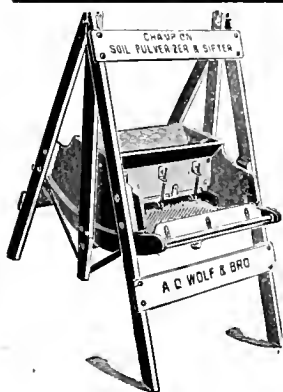


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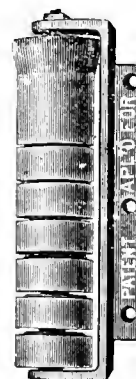
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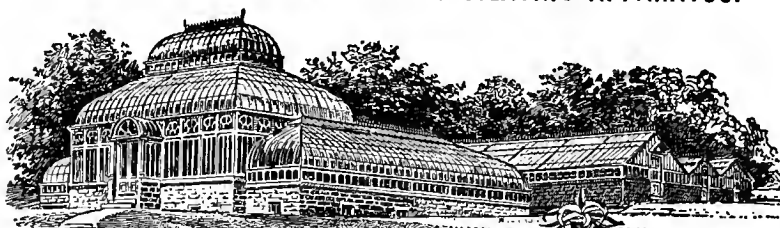
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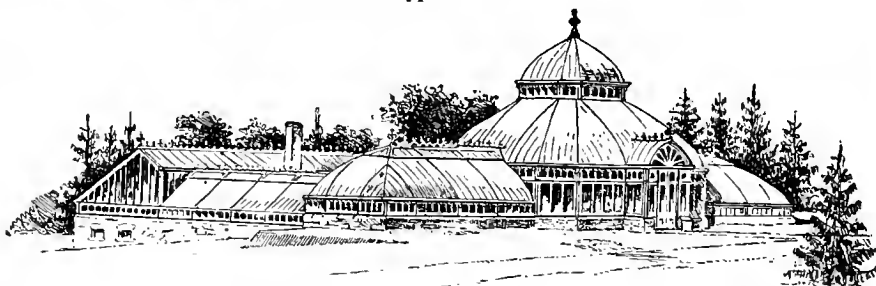
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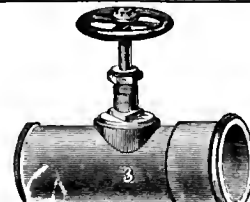
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# THE AMERICAN FLORIST



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Vol. XI

CHICAGO AND NEW YORK, AUGUST 24, 1895.

No. 377

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,  
P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

## Society of American Florists MEETS IN CLEVELAND, O., IN 1896.

### OFFICERS ELECT:

WM. SCOTT, of Buffalo, president; ADAM GRAHAM, Cleveland, vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

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THE FINAL PREMIUM LIST of the Society of Indiana Florists is now issued, and may be obtained from the secretary, R. A. McKeand, Garfield Park, Indianapolis. The show will be held at Tomlinson Hall November 5-9.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

## THE PITTSBURG CONVENTION.

When President Bennett of the Pittsburg and Allegheny Florists' Club called the delegates to order at 11 a. m. Tuesday the lower floor of the Alvin Theater was well filled and it was evident that the eleventh annual meeting of the Society of American Florists was already an assured success. After a few words of welcome Mr. Bennett called upon the Rev. Mr. Schaffer, who offered prayer.

Mayor McKenna of Pittsburg then formally welcomed the convention to the city of Pittsburg. He remarked that Pittsburgers were more noted for their information about iron and coal than about flowers, and therefore it would be a hazardous experiment for him to attempt to descant upon the delicate but complex product of the florist's art. It was a pleasant task for him, however, he said, to welcome the visitors to a city of wage-earners who literally fulfilled the divine injunction that, in the sweat of their brows, they should eat their bread. He assured the delegates that when they visited the manufacturing centers and the homes of the employers and the employed they would find not only a city of workers but a city of beautiful homes, and would take away with them pleasant recollections of their visit. He extended a cordial welcome to the convention and the freedom of the city, coupling this with a reference to the arrangements made by the local committee to accompany the florists to points of interest about the city.

Mayor Kennedy of Allegheny and Comptroller Gourley of Pittsburg were unavoidably absent. The hearty welcome extended was responded to by Mr. Grove P. Rawson of Elmira, N. Y., in the following happy address:

"City Fathers of Pittsburg and Allegheny, or is it 'The Greater Pittsburg' which you represent?—well, be that as it may, so that prosperity and righteousness attend you, and may peace be within your borders. Greeting. 'One touch of nature makes the whole world kin,' the poet sings; and a hearty welcome always touches the right spot and makes the visitor at once to feel at home.

"A western mayor welcomed an acquaintance of his, on a visit, thus: 'Vell, vell, Schneider, is dot you, Mynherr? How you vas, my good friend? Now shust make yourself at home effreyheres, novheres, wherever you vas nicht. Und it don't make a pit of tiffence to somepody. Go vere you likes, tink vot you blease und say nodings about it, for I haf gif you some freedoms of dot city. I vas most glad to schen sie, mein lieber Herr.'"

"I feel assured that the Society of American Florists will justly appreciate and enjoy the privileges extended to us, both as a body and as individual members. Undoubtedly we will have 'a perfectly

lovely time,' as the little girl said about her first party. Some way I feel sorry for the stay-at-homes—don't you? Kindness and good will is the strongest cement, and it unites even opposing factions. Florists, however, are united, to a man; and there is a woman in the case besides, a whole lot of them, as per statistics. Ordinarily, along back we have been pretty well content with a homeopathic dose of welcome faithfully administered, but on this occasion we partake of the most vigorous allopathic treatment, well rubbed in. According to my notion the latter is much more heroic and highly satisfactory. If any of us have come here at all out of sorts, sick or discouraged, I am sure convalescence will be both speedy and rapid. A quack doctor says that convalescence is not much of an ailment, that the most serious case can be cured in twenty-four hours. It would take less time than that in Pittsburg I fancy. Pardon me—a paradox! Some one has said that a good definition of *paradox* would be two physicians—*pair o' Doc's*.

"While listening to Mayor McKenna and trying desperately hard to remember all the good things he has promised us at Pittsburg, 'said I to myself, said I, I'm glad I came. And Mayor Kennedy, if he had been present, would have emphasized and clinched Mayor McKenna's argument with added good will. And Comptroller Gourley would doubtless have rendered a good account of himself if he had been present. As it is we have the honorable Mayor of Pittsburg, who represents 'The Greater Pittsburg.' We all know that this gentleman and his associates represent honor and honesty to a rare degree. It is proverbial and greatly to their credit—no matter who has said it. We cannot say as much for all city governments. As a rule the standard of to-day isn't raised high enough to get a fair price; and its sadly blurred motto reads: 'Be honest if you can, yet get there anyhow.' But you honorable gentlemen (addressing Mayor McKenna and his associates) occupy your positions of trust because of courage to face convictions and uphold true principles. So I say to you, representatives of Pittsburg and Allegheny, the city fathers, Vice-President Reineman, A. W. Bennett, Gardeners' and Florists' Club—one and all—what with your solos and full chorus you have got Welcome up to a high pitch. I feel I cannot equally respond. I should certainly make a break of it, and would much dislike to strike a false note. You spell 'Welcome' with big letters, all capitals. And it is a capital idea too. I trust we shall do full justice to it. The executive body of the S. A. F. have already proven your free hearted hospitality. We rejoice once more to be sheltered within your gates. I am thoroughly convinced that the Pittsburg meeting of the S. A. F. will be a grand success and score high in the annals of

our society for good work accomplished, progressiveness and healthy growth of all our best interests as an organization devoted to commercial floriculture.

"There is a good deal of sentiment in our business as a craft, often more sentiment than cents, plus dollars. Better times would give us more dollars and cents. We florists swear by the principle that he who does *not* love flowers is an off-shoot, blind, obsolete and is decidedly out of date for this day and generation. He is 'von bad mon' and hath no music in himself. Such a one is only fit for 'treasons, stratagems and spoils.' The emotions of his spirit are dull as night, his affections dark as Erebus. 'Let no such man be trusted.'

"Of all classes who dote on flowers the lover takes the palm, as far as the florist is concerned, and is the best paying customer the business has on its books—provided you can collect his due bills. 'All the world loves a lover,' even if he does sigh like a furnace. That is about the *sighs* of it, if you can believe Shakespeare or Bacon. He is generally speechless as well; therefore he has to employ the language of flowers to declare his passion; and is wiser than he knows. He sends his fair innamorita posies, sweet violets and roses, and tries to tell her that she is his rosy-posy and a lot more just such stuff. After they are married she will be mighty lucky to get even a few pinks occasionally, unless she buys the flowers herself. But the florist isn't to blame for that state of things and is quite sorry enough to lose a good customer. Dull times or no, there are always some lovers in the market, thank fortune! Cupid and the florists are good friends, mind you. Perhaps Cupid gets a commission for new customers.

"You have doubtless heard of the Washington chap who purchased some roses of a florist and then, farther down the street bought some underwear and put a note in the wrong box: 'Please wear these for my sake.' But she didn't 'love him enuf' for that, and the story goes that they are not as good friends as they used to was.

"Better trust the florist to 'do the thing up brown.' He seldom makes mistakes and generally gets there, sooner if not later. The florist never puts off until to-morrow that which should have been done day before yesterday. He is better posted than the papers as to society items. He goes in the best society, is right at home in the parlor and drawing room and around the festive board. He knows of every likely engagement and can tell you the date of the wedding long before Mrs. Grundy knows anything about it. He can keep a secret better than a woman.

"Oh, dose vimmens,' the Dutch gardener said. I sent him around to do some work for a lady, and I judge she kept her eye on him most of the time. Brown would hear watching. When he returned I asked him how he got along. He replied, 'Oh, pooty good, but dose vimmens, dose vimmens.' I have seen the time when I could sympathize with Brown myself. 'Oh, dose vimmens.' And yet I have the greatest respect for the dear ladies. Bless me, where would our business be without them? I sincerely hope the florist will find favor with the coming woman."

Mr. Rawson concluded by referring to the pleasures in reserve for the visitors in an inspection of the parks and conservatories, the Carnegie Library and great business establishments of the Iron City. He invited a full attendance at the evening reception to President Lonsdale,

whom he complimented as an honor to the profession. He voiced the thanks of the convention for the gracious courtesy and earnest welcome of their hosts.

President Lonsdale of the S. A. F. then stepped forward, and when the applause which followed his appearance had subsided read the following thoughtful address:

#### President Lonsdale's Address.

MEMBERS AND FRIENDS OF THE SOCIETY OF AMERICAN FLORISTS:—We have again assembled under very favorable auspices to transact such business as may come before this convention—the eleventh since its organization. The hearty words of welcome to which we have just listened must have an inspiring influence upon our deliberations when considering the various questions that will come before us during the few days which we will spend in this hospitable city of Pittsburg; and I am sure we will go away feeling that the time has not only been profitably but *well* spent during our brief stay here.

We cannot fail to be benefited by coming in contact with these broad-minded men of Pittsburg, who are continually planning and carrying out noble deeds for the benefit of the people. Note the grand scale upon which the glass structures are being built for the benefit of the public in this city, and how the plants and flowers, occupying these notable buildings, are being grown to interest not only people of leisure and the brain workers, but the industrious artisans also. Public gardens and public conservatories are too often conducted only in the interest of science. Not that I have one word to say against this plan of conducting public institutions, but more consideration I have often thought might, with justice, be extended to the every-day people.

It would take up too much of our time to give even a brief outline of what has been accomplished during the ten years of the existence of this society; besides, its history and doings during that period are well known to most of those present, especially does this apply to those who have been in close touch with its workings since its inception. We may, however, be pardoned, I hope, if reference is made to one or two of the benefits to florists in general which would not have been accomplished, I think, in any other way than under the auspices of the Society of American Florists.

The hail insurance idea was one of the strong features in the prospectus which brought this society into existence, yet many of us can well remember in those early days what apathy there was in some quarters to overcome, and opposition in others. The good work, commenced in Cincinnati, came very nearly being frustrated in Philadelphia, though accidentally, I believe. I remember it well. It was at the evening session following that eventful afternoon which the society and its friends spent so pleasantly as the guests of the late George W. Childs at his country home at "Wootton." It was nearly nine o'clock when the meeting organized to consider hail insurance, whereupon a motion was made and carried for the purpose, ostensibly, of giving those who felt disposed to do so an opportunity to examine the exhibits which were displayed in the lower hall. The convention hall soon presented the appearance that it was in danger of being rapidly emptied, when a friend of hail insurance, who had done good work in the cause, confidentially stated to a few nearby

friends that the idea of giving prominence to the trade exhibit at that time was only a ruse brought forward to defeat the object of the meeting, whereupon a few of the faithful went earnestly to work and succeeded in turning what appeared likely to be a stampede into a most successful meeting, and saving the day; a reorganization was soon effected, and one of the most fruitful meetings for good to the craft was held after nine o'clock that evening. We regret, however, to learn that quite a number of the members of the Hail Insurance Association are not members of the S. A. F.

A committee was appointed at the last meeting, held in Atlantic City, N. J., to take into consideration what relationships should exist between the parent and auxiliary societies, which we have no doubt has given the subject due consideration, and which can safely be left to the members of the society for final action.

It was during the second year of the existence of the society that by vigorous and well-directed effort the executive committee succeeded in causing the defeat of a bill proposing to double the rate of postage on fourth class matter, which included plants, bulbs, etc., and, not satisfied with defeating the bill, were instrumental in having a bill introduced and passed actually reducing the cost of postage on articles usually handled by florists.

At a much later date a committee, acting under the auspices of the S. A. F., succeeded in securing from the express companies a reduction in their regular carrying rates from the various points, all which shows the benefits of an organization like this, which is banded together for the good of all who are interested, not only alone in floriculture, but horticulture in general. All that has been done in the past is preparatory to what is to be striven for in the future.

This society has been singularly free from cliques, or a ring, and I trust it may always remain so.

Active minds have ever been on the alert, endeavoring to formulate plans for its greater efficiency which, if conceived aright, when put into successful operation will undoubtedly benefit every branch of horticulture. For some time past an idea has been running through the minds of many of our best members to the effect that this society should hold the same relationship to the numerous florists' clubs in the country as the grand lodges do in the various mystic or secret societies and beneficial organizations, but so far nothing definite has been proposed. Personally I do not favor the idea. Were it practical and possible I would prefer to see every devotee to horticulture assembled with us to-day. The more the better.

What we must have in this convention is strict attention to business during the business sessions, and let him who is overflowing with wisdom watch his opportunity to impart it. We are all here anxiously waiting for crumbs of comfort in the way of information that will make two first-class American Beauties grow where only one grew before, and we are also here expecting to listen to practical propositions from retailers, cut-flower dealers, and plant decorators, as so far they have not taken so active a part in the workings of the society as they are capable of doing and ought to do. We certainly cannot get along very far without their hearty co-operation.

There is one little matter connected with the conduct of a convention which



WILLIAM SCOTT  
PRESIDENT-ELECT SOCIETY OF AMERICAN FLORISTS.

is scarcely realized by the majority of the members who come here, and that is, the difficulty which is experienced in securing the best talent available in the profession to prepare essays to be read here, and to answer questions appertaining to the business. Some of our brightest minds declined to do so on the grounds that the conventions are so poorly attended. And it certainly is very discourteous on the part of members thus absenting ourselves from the meeting when our presence alone would inspire specialists to make their greatest efforts. There is not one among us but what can aid the good work that we have in hand, either by speaking on the subject, adding knowledge, or by our presence here to fill the vacant seats, which heretofore have been only too often apparent at our meetings. I hope that we will notice an improvement in that respect here in Pittsburg, as it is our duty to encourage those who have spent many anxious and thoughtful hours in preparing papers, etc., for our especial benefit; and, as it is never too late to mend, let us from this time on make a good resolution and stick to it through all future conventions to pay strict attention to all that is going on during the business sessions. Ample time is generally allowed between sessions for all those who wish to examine the exhibits, and to visit the various points of interest which are to be seen in all cities, so that there is really no excuse for any of us to absent ourselves from these meetings where the actual work of the convention is being carried on.

It rests with us as members whether

the Society of American Florists is doing that amount of good of which it is capable. Too many of us think when it is too late what might have been done, and are not imbued with the necessary public spirit to make just a little self-sacrifice for the good of all. What we need in this organization is broad-minded earnest workers and not sophists and schemers.

It is of course the desire of every person present, in fact every member of the Society of American Florists and the fraternity at large to increase the love for flowers and plants, not only because it will increase the demand for those fruits of our labors, but because it brings happiness to the people and makes them better citizens. Take the cultivation of plants in any form whatever, there is nothing so restful as attending to their wants, be it undertaken in the windows of our homes or in the more pretentious glass structure. Listen for a moment to what I will read to you, which was clipped from a daily newspaper only a day or two ago, headed: "Safety in the Love of Flowers." "Luther Laffin Mills, the Chicago criminal lawyer, says that when he was a boy he frequently accompanied his father, who was a wholesale merchant, on collecting tours through the Northwest. They had to travel by wagon, and as the father would have large sums of money about him it was often a problem where they could safely put up for the night. 'My boy,' the old man used to say, 'it is safe to stay at a house where there are flowers in the window.'" Ours is

certainly a noble profession. We lead all others in our opportunities for drawing the people in a closer communion with the Great Creator. But we have not been taking full advantage of the occasions to do our utmost in that direction. It is here where the retail florist can wield a potent influence in the encouragement of the love for flowers if exercised in the correct spirit.

The love for flowers is born with every child, though fashion has played a prominent part during the past few years in the large increase in one branch of horticulture—that of cut flowers—and it is an evidence of what can be done by earnest and well-directed effort. We must not, however, depend too much on the vagaries of fashion to develop the love for horticulture. We must go deeper than fashion; we must learn to love all that is good in horticulture ourselves for its own sake, and impart that love to others.

I have little or no patience with some florists who have a notion that they will not wear a flower in the button-hole of their coat because of the fear of being accused of advertising their business. Any person who experiences such feelings loves not flowers for their own sake, and is even too supersensitive for the good of the utilitarian side of floriculture.

The florists' business is something more than the cut flower trade. There is the beautifying of gardens and grounds, much of which comes under the care and suggestions of florists and gardeners. But the first thing every wideawake florist will do is to beautify his own home surroundings. It is positively necessary for us to have examples of everything that is good, and grown in the most attractive and best manner possible, if we would have the desired effect upon the surrounding neighborhood.

This class of reliable florists ought to be able to drive every tree agent or peddler out of the business. Only so short a time ago as the early part of July was there an agent in my immediate neighborhood representing one of the most reliable nursery firms to be found anywhere. It was during the flowering season of the clematis, and he was offering a set of four plants, four varieties, for five dollars the set, any one of the sorts could be obtained for one dollar and fifty cents each. The set was made of Jackmannii, Sieboldi, Henryii and paniculata. This salesman had a colored plate of each of the first three, but not of the paniculata. He was not what might be called a glib talker, but he had one point down fine, and that was pointing out the superiority of the varieties of Jackmannii, Sieboldi and Henryii, which he offered as being better than the same varieties growing hereabouts because they were double. Said he, "I notice that there are quite a number of clematises in gardens here, but there are no doubles among them. These are doubles, you see," pointing to the pictures which he had. I argued with the man, stating that although the flowers of the colored plates which he exhibited had seven, in some cases eight, petals, they are not what we understand as double flowers. I took some interest in him, and was careful to inform him that I had seen just such flowers on plants growing hereabouts with six or seven petals, and said that the very best flowers of each variety had been selected for the purpose of having them lithographed, but that 99 per cent. would come with four petals. This remark referred particularly to Jackmannii, and I quite thought that I had convinced him that he was making a mistake in thus misrepresenting

senting what he had to sell, and taken enough interest in his avocation to tell him where he would be likely to make sales of some of his goods, but I found next day that he still was advocating the sale of his particular stock of plants because they were *double*, and referred to all those that were in bloom in the neighborhood as only being *single*.

In order to retain interest in horticulture it is absolutely necessary that novelties be constantly produced and introduced. So that it comes in bad grace for any of the craft to decry the efforts of the enthusiastic experimenters, whose desire it is to produce new forms or colors in all our popular lines of plants and flowers.

There is a possibility of the improvement of every flower now in cultivation. I am not aware how long it is since the improvement in mignonette was commenced, but certain it is that no longer, in establishments where it is grown for cut flowers in some of the great centres, could it be called by the name given to it by the French people. One of the best strains of mignonette now upon the market has been a selection from one plant, and it has taken years of patience and well-directed perseverance to bring it to its present high state of development. This firm, which it is now claimed is growing the largest mignonette for cut flowers for the New York market, secured all the best strains of seed that could be obtained at that time, and, as stated before, if my memory serves me correctly, only one plant out of the whole batch was selected; and every year since the very best plants are set aside for seed saving purposes. Last Christmas flower spikes from this especial strain were sold at the rate of fifty dollars per hundred. A higher price, I believe, was never paid for mignonette before. This statement of fact is introduced here for the purpose of showing what can be done by careful, intelligent, and patient selection. So highly is this seed valued that none of it is for sale, and up to the present time sufficient cannot be raised for this firm's own special purpose, that of furnishing cut flowers only. Here is food for thought and action. For what can be done with mignonette may be done with most other flowers.

The hope by some of our former presidents that a horticultural college be established through the aid and under the auspices of this society has not yet been realized, and apparently we are as far from its being consummated as ever, though there are colleges and institutions where practical and theoretical horticulture is taught, among which I may mention the Bussey Institution, of Massachusetts, and Cornell University, New York State, the Shaw Gardens, of St. Louis, Mo., and some others; all hold out inducements for young, ambitious men to take courses in the branches of study in which we are mostly interested.

There was a time when practical growers, whether a gardener or a florist, had little or no use for the botanist, but that time is passing; it is only the severely practical or opinionated man who dares to sneer at science in these days.

To all florists' clubs and horticultural societies botany classes should be attached. Professors of botany connected with the nearest university would only be too glad to take charge of such classes and aid in every possible way to disseminate this useful branch of natural history. There should also be attached to all these local organizations what might be termed a press or literary bureau, the duty of which would be the furnishing of reliable news and cultural notes from time to

time to monthly magazines and weekly journals and also to the newspapers. This would be another step in the right direction, and could not fail to be a benefit to all concerned.

Florists as a class are not taking the same advantage in the use of concentrated plant foods as are farmers. In the matter of experimenting, too many of us have heretofore acted on the plan that if a little of a good thing is beneficial a larger quantity will be more so. These experiments have frequently ended disastrously and have been the cause of a number of florists declaring that they would have no more to do with these dangerous substances. It seems to some of us that by very careful experimenting great benefits should be the result in developing our products to the very highest excellence with some, if not all, of these plant foods.

The U. S. Government now has in process of experiment, I am told, the test of soils from different states, upon which the various plant foods have been added in varying proportions. This certainly ought to be of great service to all tillers of the soil, whether it be to those practicing under glass or on the farm, or in the garden. The experiment stations in the different states have done and are doing wonders for the fruit growers and farmers in the country, and some few florists are taking advantage of the knowledge which is being thus freely disseminated by these institutions. This applies especially in relation to insect foes and fungus diseases of vegetation. But more of the craft could take advantage of them if they would only take the trouble to write for the desired information and make a study of these matters from our point of view, and carefully experiment with many of the plants subject to insects and disease under our care.

Electricity is bound to play an important part, I believe, in horticulture in the near future, not alone in the acceleration of plant growth, but possibly mechanically in producing heat, light, and the revolving of fans, as some alert minds predict will soon be brought into use to counteract the sluggishness of the stagnant atmosphere which at times is decidedly apparent during certain seasons of the year within our plant structures, and may prove to be a new wrinkle in progressive plant culture.

It is also certain through its influence as a cheap and rapid means of transit to be the cause of building more homes in the suburbs of the cities, so much so that all who possibly can will leave the great towns and take advantage of the opportunities of living in the country, where the florist will have an opportunity of plying his vocation to a much greater extent than he can now do.

Now a word or two as to recreation. Recreation is all right. It is positively necessary for every person to take a certain amount of it if we may expect to accomplish the very best results in any walk of life, and I am sure that the recreation which has been provided for us in this good city of Pittsburg, and in most of the other cities where we have met, is not out of proportion to the amount of work that is laid out for the willing head and heart to do. Three days are set aside for the transaction of the business of the convention which we have on hand, and one is set aside for pleasure, and I am free to say that that is not an undue proportion considering what is upon us upon the program.

There are quite a number of florists who come to these conventions because of the recreative features provided. There are

some, again, of course, who prefer to have their recreation in their own way, but in a different style to what is provided during the conventions, but we will all agree, I hope, that what we are here for is to accomplish the greatest good to the greatest number and that grand idea must be held uppermost in the minds of all those who desire to have the shaping of the destiny of this noble organization in the future.

Quite a number of florists come to these conventions for no other purpose than to transact business solely, which to some extent is all right, but they should show a disposition to render an equivalent as far as lies in their power by presenting themselves at the sessions and take an interest in the proceedings, as the exhibition hall should be closed during the progress of the proceedings.

The study of botany in our public schools is something worthy our most earnest thought and concerted action. It should become a permanent plank in the platform of the Society of American Florists, making it practical that home and the school-room be the place where the rudiments of botany be taught. This would lay the foundation for a love for flowers and plants that would increase with each succeeding year. The study of botany need not at first occupy more than one hour each week in the schoolroom, and the student thus started on the right path would naturally want to know more of the mysteries of plant life as he progressed in his studies, and a yearning for knowledge in general would permeate his whole life; for the closer we look into the works of nature the more wonderful do they become.

Another pet idea which ought to receive the earnest consideration of this organization is to advise every florist, be he a grower or a retailer, to study for himself the requisites for successful plant culture in our homes during the winter season. Much erroneous information is dispensed by many of us because our experience in growing plants has been gained in the greenhouse. If we will only pause to consider for a moment we will realize how different the conditions are between the home and greenhouse for plants to grow in. In the latter the atmosphere is thoroughly charged with moisture, whereas in the former the exact reverse is generally the case, and I do not hesitate to say that there are more plants killed by lack of moisture at the roots in our homes than all the rest of the causes put together.

In conclusion, the papers which have been prepared to be read here will be found to contain much food for reflection, and possibly action by the society, and the lecture by Prof. Wm. Hamilton Gibson is a new feature at our conventions, all of which, I take the liberty to repeat, should receive your earnest attention and kind consideration. Let us hope that whatever discussions take place upon any of the subjects presented will be carried on with only one end in view, that of getting at the truth and furthering the interests of humanity and the fraternity at large, and make this meeting worthy to go with any which have gone before. I thank you for your courtesy and attention.

At the conclusion of the address an elegant bunch of roses was handed up to him and there can be no doubt that he was never before so troubled as to what to do with good roses. He held them in his hand, laid them in his lap, and shifted them a dozen times until some sympha-



thetic person was good enough to bring a vase to put them in.

Secretary Stewart then read his annual report as follows:

#### Secretary's Report.

No more agreeable duty can devolve upon the secretary of a body such as this of ours than to stand among his fellow members and lay before them his annual communication, telling them that the organization is making substantial progress in all its affairs and building up a lustrous record of noble achievement. That I cannot on this occasion gratify you as in former years with a story of widespread enthusiasm and rapidly increasing membership is a condition that we should contemplate with concern.

But, while it is not pleasant to reflect that the additions to our ranks have failed to keep pace with the number of desertions, and that our annual deliberations seem to have in a measure lost that robust vigor whose marvelous outburst in our earlier history thrilled the whole floricultural world and electrified the trade of a continent, yet there is encouragement in the fact that we realize our weakness, and that we are rich in members whose loyalty to their beloved society has never faltered, who have been glad to counsel together with your officers and who have been devoting their time and best thought to the consideration of these problems that now confront us.

In reviewing the history of the past year we begin with the convention at Atlantic City, a meeting thoroughly enjoyable, with a trade exhibit by far the best managed and most complete in our history, where, as the records show, an immense amount of effective work was accomplished, where in spite of the irresistible attractions that surrounded us, the proper balance between sober work and recreation was well maintained, and where we experienced once again the overflowing hospitality of the Philadelphia Florists' Club. The printed report of that convention is teeming with good things, and it is greatly to be regretted that a copy of that report is not in the hands of every one of the ten thousand florists in the land, among whom there is not one so accomplished and efficient that he might not extract from the record of that meeting wisdom worth to him many times the cost of annual membership in this society.

At the exhibition there were awarded by the judges twenty-seven certificates of merit, twenty-two exhibits received honorable mention and twenty were highly commended. No entries were made in competition for the beautiful gold, silver and bronze medals offered by this society.

The executive committee met according to custom in this city last March. Two days were occupied in their deliberations and, as the program before you indicates, a number of innovations in keeping with the progressive spirit of the times were made in the hope of increasing the interest in, and securing the best results from, this meeting. The various committees entrusted with important matters made gratifying reports and their recommendations will come before you in due time. The only retrenchment decided upon was in the case of the committee on standard list of decorative plants, whose work, in the opinion of the executive committee, promised to involve the society in a heavier expense than appeared prudent under present financial conditions.

The situation as regards membership will be best understood by comparison with previous years. The number of dues collected in 1893, the year of the St. Louis convention, which was the smallest for several years, was 685, of which 78 were paid during and alter the convention of 1894. The number collected for the year 1894 up to August 15, 1895 was 617. Members of 1893 whose dues for 1894 are still unpaid are 147, of which number 68 more assessments must be collected before the Atlantic City figures equal those of St. Louis. It was confidently expected that at Atlantic City we should experience a boom which would make good the losses of the Columbian year, but only 85 new names were added. These were from the following states; from Pennsylvania 38, New York 20, Massachusetts, 8, Ohio 4, New Jersey 3, Maryland and Illinois 2 each, and California, Georgia, New Hampshire, Nebraska, Missouri, North Carolina, Indiana, and Connecticut one each. Those crossed off the rolls as being in arrears for 1893 and 1894 numbered 226. These were charged to the different states as follows: Pennsylvania 54, New York 27, Maryland 23, Massachusetts, 18, New Jersey 15, Illinois 12, District of Columbia 11, Wisconsin 10, Ohio 9, Virginia 8, Ontario 6, Connecticut 5, Minnesota and Kentucky 4 each, Missouri and New Hampshire 3 each, Iowa, Indiana and Maine 2 each, Rhode Island, Tennessee, Michigan, Kansas, North Carolina, California, Vermont and Bermuda one each. Of 47 members credited to Ontario the year of the Toronto meeting but one solitary individual has paid his dues for last year. Of 35 members from Maryland who were with us the year we met in Washington less than one half are left, and in other localities similar conditions exist. This indifference or whatever it may be extends to the state vice-presidents, who with four or five notable exceptions, have evinced not the slightest interest in the society's welfare.

Death has not spared our society in the year which has passed. Eight more of our associates have gone forever from among us:

Joseph Marschuetz, Philadelphia, Penn., died September 7, 1894.

G. Geduldig, Norwich, Conn., died February 20, 1895.

I. Forsterman, Newtown, L. I., N. Y., died March 29, 1895.

W. E. Morton, Portland, Maine, died March 29, 1895.

G. R. Bergmann, Flatbush, Y., died April 28, 1895.

Conrad Kranz, Muscatine, Ia., died June 12, 1895.

Thos. H. Brown, Atlanta, Ga., died June 30, 1895.

H. E. Chitty, Paterson, N. J., died July 24, 1895.

To the deaths recorded last year should be added, John C. Moninger, Chicago, Ill. who died June 3, 1893, and H. S. Swayne, Bloomington, Ill., who died November, 1893, neither of which came to my knowledge until too late for the annual report.

One word in conclusion: While I have deemed it my duty to bring to your attention the somewhat unsatisfactory conditions prevailing in our organization, I do not wish to be understood as expressing any doubt as to the future of this society. All great movements like the ocean tides have their periods of ebb and flow, of alternate inaction and revival. Our experience is by no means new in the history of societies, for when they reach a respectable age they are very apt to

become over-conservative and get hide-bound. This is something we must keep out of at all hazards. These periods of reaction give us time and opportunity to sit down and think and to plan how best our union may be more strongly cemented and a glorious future assured, which shall surpass in usefulness the past of which we have so much cause to be proud. And, fellow members of the Society of American Florists, I believe that such a destiny is just as certain as anything in this world can be.

Treasurer Beatty's report showed receipts from August 24, 1894, to January 1, 1895, of \$4,188.32, with expenditures of \$1,844.04, leaving a balance in the treasury January 1, 1895, of \$2,344.28.

The report of the Nomenclature Committee was presented as follows:

#### Nomenclature Committee's Report.

The Nomenclature Committee recognizes that it is appointed to aid the Society of American Florists in its commendable effort to secure correct naming of plants handled by the American trade, and uniformity of nomenclature of a given plant, with a view to preventing confusion, error and dishonesty—in the interest alike of the originator, seller and purchaser of plants. For the proper performance of this duty the committee needs to be guided by certain simple, just and universally acknowledged rules, which, when the facts in any given case are set before it, can lead to but one conclusion as to the one name to be adopted for a plant to the exclusion of all others.

Botanists recognize priority of publication of a name, accompanied by an adequate description, as the safest criterion in selecting the name by which each natural species of a variety shall be known. In the case of florists' plants, such for instance as the varieties of chrysanthemums, brought into question in an open letter to this committee, published by Messrs. Peter Henderson & Co. in December last (*Florists' Exchange*, December 15, 1894, page 47), apropos of the committee's report of last year (Proc. S. A. F. x 15-16), however, we find that there is a division of opinion among the members of the society as to what constitutes a prior claim, some persons believing that the growth of a plant under a certain name in a private establishment entitled the plant to that name; others holding that its exhibition at some creditable flower show fixes the name under which it is there shown; others thinking that the sale of a more or less extensive stock of it to one firm suffices for this purpose; still others claiming that the registration of the name with a society, like those devoted to roses, carnations or chrysanthemums, serves this end; and yet others holding that its advertisement and extensive sale through a widely disseminated catalogue gives a prior claim to recognition.

In 1893 (Proc. S. A. F. ix. 91-2) certain recommendations of the Nomenclature Committee were accepted by the society, according to the originator or introducer (in the order specified), the prior right to bestow a name upon each new introduction; such a name, before approval by the society, to pass close scrutiny as to the distinctness of the plant and the possibility of ambiguity or confusion attaching to the use of the proposed name.

The proper performance of the work of this committee, and the only basis on



which it can give satisfaction, unless its efforts are universally recognized as disinterested, and its conclusions acquiesced in even to the waiving of a personal conviction in some cases that its logic is not infallible, demands the adoption by the society of positive rules as to the basis of action in selecting one name and rejecting another, which rules should also be followed by the affiliated special societies, so that the findings of the latter may be accepted by this society, as the conclusions of experts should be.

To this end we recommend the immediate appointment by the chair of a committee comprising representatives of the nomenclature committee, the rose, chrysanthemum and carnation societies, and at least three commercial establishments, with instructions to consider the matter carefully and report at a later session of this convention a code of rules supplementary to those already adopted by the society for the guidance of its Nomenclature Committee.

Pending such action we have not thought best to report on the few but important cases of synonymy that have been brought to our notice.

#### Tuesday Evening.

The president's reception Tuesday evening was a success of the first magnitude. The theatre was filled, excellent music was provided, and there were several soprano solos by Mrs. Edwards, who sang so charmingly at Atlantic City, last year. After the program had been disposed of the audience filed on to the stage and each was given a grasp of the hand and a kindly word by President Lonsdale. At the rear of the stage seats were provided, where refreshments were served. Pittsburg can congratulate itself on having inaugurated what will undoubtedly prove one of the most attractive of the social features at the annual meetings of the society.

#### Wednesday Morning.

The reports on exhibits were made and will be found noted elsewhere. Pending action on the reports of the judges on exhibits, objection was made to an award for an exhibit of carnations because the judges who made it had no personal knowledge of the growth or other qualities of the plant. A discussion followed, in which it was contended that certificates of merit ought not to be based upon reports or representations from third parties, but should be confined to specific details of which the judges had actual knowledge. On the other hand, it was contended that the inquiry about a plant ought not to be confined to a few minute examinations of it, but should be based also upon the statements of experienced cultivators of it. Objection was also made to the report on boilers, and it was referred back with instructions.

The Nomenclature Committee submitted a set of rules which were adopted.

The convention then proceeded to select a place of meeting for 1896. Invitations were read from the Chamber of Commerce and Board of Trade of Denver, Colo., and from representatives of Cleveland, O. The claims of the latter city were presented by Messrs. A. Graham of Cleveland, Scott of Buffalo and Jordan of St. Louis. A ballot resulted in the selection of Cleveland, the vote being: Denver 43; Cleveland 144. Nominations for officers for the ensuing year resulted as follows: President, Wm. Scott of Buffalo and John G. Esler of Saddle River, N. J.

For vice-president Mr. A. Graham of Cleveland and Mr. J. M. Gasser of the same city were nominated. The present incumbents, Messrs. Wm. J. Stewart and H. B. Beatty, were named for secretary and treasurer.

A report was presented from the executive committee regarding the standard list of decorative plants, which had been ordered by the society to be prepared, but the preparation of which was temporarily discontinued last winter. The committee at a full session on Tuesday afternoon agreed to report as follows: "That, after the work had progressed so far that its expense could be determined, it was found that the cost of the completed list would be much greater than the financial situation of the society would warrant, and therefore the work was suspended. Subsequent careful consideration and a statement of Professor Trelease that the time required for the completion of the work exceeded that which he could give to it, warrant your committee in recommending that it be entirely discontinued." On motion the recommendation was adopted.

The session closed with the reading and discussion of a paper by Chas. J. Dawson of Jamaica Plain, Mass., on "Horticultural education, practical and theoretical."

After the reading of the paper Prof. Trelease of St. Louis spoke of the work being done by young students in the Missouri Botanical Gardens. Mr. Thos. Gunson of Michigan Agricultural College followed in a statement of the manual labor system there. He said the general experience is that horticulture is made a side issue. He thought the success of this science as a study was dependent upon it being separate from rather than in connection with any of the other sciences.

#### Wednesday Evening.

Wm. Hamilton Gibson's fame had evidently preceded him, for the audience completely filled the main floor of the theater. For two full hours he held the closest attention of this vast assembly, and his remarks were frequently interrupted by a tumult of applause. How much longer they would have been willing to sit and listen to him it would be hard to judge, for the interest was intense up to the last moment, and after the close many pressed forward for the privilege of shaking the hand of the man who had told them in such a wonderfully beautiful and simple manner so much that was new to them of the floral mechanism and nature's marvelous provisions for the fulfillments of her plans in the perpetuation of species and the survival of the fittest at all hazards. One prominent florist was heard to remark, "I never knew there was so much in flowers," and it is safe to say there were few, if any, in that entire audience who would not admit the same fact after they had listened to Mr. Gibson. He told of Darwin's discoveries, of the processes of evolution, of nature's methods for cross-fertilization, and compared the results with man's accomplishments in the same line; of the intercommunion of the flowers and the insects; of the devices by which the flowers attracted the attention of insects and insured cross-fertilization; of the causes of variation; the reasons for color, fragrance, honey and structural peculiarities of flowers, illustrating each point by the use of charts and ingeniously constructed moving mechanical models, and all in language beautifully simple. That this latter feature was appreciated by his audience

was evinced by the hearty and long continued applause that greeted him when he protested against the cumbersome technicalities of botanical literature, and promised that if he should live long enough there would be a botany for the people in Anglo-Saxon. The occasion was one which will long be remembered by those who were present as one of the most interesting and instructive features ever enjoyed by the Society of American Florists.

#### Thursday Morning.

The report of the committee on closer relations between the S. A. F. and the auxiliary societies was freely discussed and the matter was finally referred to the executive committee with power to act, it having been first expressed as the sense of the convention that the amalgamation be brought about if possible.

The result of the ballot for president was Wm. Scott 131, J. G. Esler 61. Mr. Esler moved that the election be made unanimous and the motion carried with cheers.

Though Mr. Adam Graham of Cleveland had declined the nomination for vice-president he was re-nominated and elected in spite of his protests, the vote standing Graham 113, Gasser 34, which was afterwards made unanimous.

Secretary Stewart and Treasurer Beatty were each re-elected by acclamation.

After the election came the discussions upon the chrysanthemum, carnation and rose, which follow. Mr. Hill's chrysanthemum notes called out some discussion but the others passed without special comment.

#### Improved Chrysanthemums, Extant and Essential.

BY E. G. HILL.

The evolution of the chrysanthemum has been one of the marvels of the times, as wonderful in its way as the improvements made in the domain of light, heat and transportation in the past decade; the development of its size and beauty and its improved culture have given pleasure and delight to many thousands of people on both sides of the sea, as well as in far Australia, in no department of floriculture have results been at once so definite and so valuable and also so wide reaching.

The subject assigned for discussion seems at first glance to be of very easy treatment, but we find that it requires careful thought, and a discriminating use of memoranda painstakingly compiled each season; consistency is still a jewel, yet an up-to-date chrysanthemum grower must be willing in this autumn of 1895 to go squarely back on his utterances and opinions of 1890 or even several seasons subsequent, both as to culture and also as to what constitutes a valuable variety for any certain line of trade; the point of view from which we observe the chrysanthemum will have much to do with overestimate of the worth of a variety, and we are under the necessity of making a careful classification of sorts pronounced essential. Suppose that we try a division like the following:

*Class A:* Commercial cut flower varieties.

*B:* Exhibition cut flower varieties.

*C:* Exhibition pot plants.

*D:* Exhibition single stem one-flower pot plants.

When we consider the multitude of varieties at our disposal, from which selections may be made to fill the several classes, it is not always an easy matter to make the wisest choice; and yet upon

making the wisest choice will depend success at the exhibition or satisfactory cash returns from the houses, or position in the profession as a grower.

For the commercial grower a dozen varieties possessing the essential qualifications, namely, color, form, depth, substance, stem, lasting qualities, are infinitely better than a hundred varieties selected at random. One of the first requisites for the commercial grower is the securing of a succession of bloom, having varieties that will follow one another through the limited season of bloom. Happily this is now possible; we name Mme. F. Bergmann as the first and best early white variety. This should begin to bloom about the 5th of October. Before Bergmann is done Mrs. Henry Robinson will begin to show its magnificent flowers; this variety possesses all the good qualities of a perfect white chrysanthemum and will begin flowering about the 13th of October, and is as fine as any mid-season variety.

I would fill the aforementioned classes as follows:

#### CLASS A—WHITES.

Mme. Bergmann, October 5.  
Mrs. Henry Robinson, October 13.  
Jessica—Ivory, October 15.  
J. H. White.  
Queen.  
Niveus.  
W. G. Newitt.  
Mrs. Jerome Jones.  
Eiderdown.  
Mrs. H. McK. Twombly.

#### CLASS A—PINKS.

Mrs. Parker Jr.  
Mrs. E. G. Hill.  
Lady Playfair.  
M. Richard Dean.  
V. Morel.  
D. Toler.

#### CLASS A—YELLOWS.

Ye low Queen.  
J. E. Lager.  
Miss M. M. Johnson.  
Radiance.  
Georgienne Bramhall.  
W. H. Lincoln.  
H. W. Rieman.  
Mrs. F. L. Ames.

#### CLASS A—REDS.

M. Benj. Girand (very early).  
Fisher's Torch.  
Geo. W. Childs.  
Jno. Shrimpton.

#### CLASS A—COMMERCIAL VARIETIES; COLORS NOT CLASSED.

Philadelphia.  
Silver Cloud.  
Charlotte.  
Inter-Ocean.  
Mrs. Geo. Magee.

#### CLASS B—EXHIBITION CUT FLOWER VARIETIES.

Queen	Mrs. Geo. Magee
Niveus	H. W. Rieman
Mrs. Henry Robinson	E. Dailledouze
Mme. C. Molin	H. L. Sunderbruch
Mrs. R. W. E. Murray	G. Bramhall
J. Agate	Golden Gate
Mrs. J. Jones	Golden Wedding
Mayflower	W. H. Lincoln
Mutual Friend	Col. W. B. Smith
Marie Louise	E. M. Bigelow
W. G. Newitt	R. McInnes
Dean Hole	Black Beauty
Mrs. Higinbotham	Geo. W. Childs
V. Morel	Jno. Shrimpton
Inter Ocean	C. B. Whitnall
Ada H. Leroy	Mrs. Geo. West
Mrs. E. O. Wolcott	Mrs. C. H. Payne
Mrs. G. J. Beer	Rider Haggard
Mrs. J. W. Crouch	Etoile de Lyon
Andes	Chas. Davis

Philadelphia.

#### CLASS C—EXHIBITION BUSH PLANTS.

W. H. Lincoln	The Bard
Nellie Elverson	Geo. W. Childs
L. Canning	L'Enfant des Deux Mondes
W. G. Newitt	Ernest Rieman
Jos. H. White	C. Chifant
Egyptian	Robt. Bottomly
Ermenilda	M. Wanamaker
Ivory	Mrs. Elsie Darlington.

#### CLASS D—EXHIBITION POT PLANTS, SINGLE STEM.

Ivory	Mutual Friend
Philadelphia	Eida Prass
H. W. Rieman	H. L. Sunderbruch
Minerva	V. Morel
Amoor	C. B. Whitnall

Jno. Shrimpton  
Etoile de Lyon  
Inter Ocean

R. McInnes  
Chas. Davis  
Niveus  
W. H. Lincoln.

If I were limited absolutely to 12 varieties of chrysanthemums they would be the following, though I should deeply regret many of the omitted favorites:

V. Morel  
E. Dailledouze  
Philadelphia  
Mrs. H. Robinson  
M. Richard Dean  
Geo. W. Childs

Ivory  
H. L. Sunderbruch  
H. W. Rieman  
Niveus  
Queen  
R. McInnes.

#### Latest Facts as to Carnations.

BY FRED. DÖRNER.

It is rather a difficult and delicate theme. Facts established and comprehensible are an easy matter to write about; not so with something new. The writer may not be readily understood, for the newness and novelty of the fact may cause differences of opinion. A most pleasant fact, not new any more, but gaining every year in significance, is the popularity of the carnation. Its beauty and noble qualities, enhanced by yearly improvement, attract the lover of flowers, and make it indispensable. Grown with forbearance besides the queenly rose, it demands now a place beside her throne, and the divine beauty with its usefulness and popularity may one day find the climax, in becoming national.

Of cultural improvements many could be named, but I will refrain from this, as they find constant discussion in the papers. One fact I cannot omit to mention. We have followed the teachings of nature, but have to do so more fully. We should never forget the old fact, that the laws of nature cannot be neglected or violated with impunity. In our culture, and more so in greenhouse culture, we are the masters. The more thoroughly we study the wants of our plants the nearer our work is in accord with the natural laws of vegetation, the better the results we obtain. These are the fundamental principles to grow healthy plants and avoid disease.

Another fact that will in my eyes be more fully verified in the near future is the diversity of prices obtained in the market according to quality. I asked a rose grower if he would grow American Beauties for the same price that he realized for his Perles. An emphatic "No" was the answer. The reason why he cannot do it we all know. And we know too that when grown with care one is as good an investment as the other.

Among the many thousands of seedlings grown every year there will surely some make their appearance of extra size and beauty, and if brought in the market they will bring extra prices. I have no doubt some have been discarded already, being not considered prolific enough for the general market prices obtained at the time. But we must not be so unreasonable and expect to cut as many flowers from them as from our Scott and Daybreaks. Naturally in flowers as in fruit, when size is a point, the quantity in number is less, but seldom in bulk. Such varieties should be pushed forward. They could not be grown in large quantities, not everywhere, with profit, but where the finer roses and orchids find a market an extra fine carnation, even not so free blooming, would sell too at paying prices. The best example we have is the chrysanthemum. At the present time quantity figures greatly, and covers up many defects. At the exhibition quality prevails, but in the cultivation for market quantity is an essential point. Such varieties as pointed out be-

fore would widen the sphere of the carnation, widen the market; more diversity cannot fail to be attractive, and would be in accordance with our advancement and progress.

We have to contend with many diseases, and much has been said and written about them. The disease question is agitating the minds of most all growers, and we find few that are not afflicted with one or the other. It would be amusing were it not of so serious a character, to observe the misunderstandings and opinions of the different diseases, opinions which vary often as much as the afflicted one's business is affected by it. The agitation runs at present so high that the notoriety of a new disease comes up to the advent of a new variety. The finder of the one and the originator of the other are celebrated alike. If only the finder could give a remedy to obliterate his find and the originator the assurance that his new variety is disease proof, the carnation growers would think the millennium has come. But we must trudge and toil along on this imperfect earth, and use our common sense and sharpen our wits to find relief. Our learned men have helped us a great deal in defining diseases, and no one is more thankful than I for their knowledge so freely given. They show us the character of the disease, how it develops and grows, but they as yet could give us no sure remedy. They tell us sulphate of copper and other chemicals will kill fungus, just as well as a doctor of medicine will tell us that quinine will cure fever. But very often in the face of these remedies a patient will die, and the rust will kill our plants. Our professors have not the practical knowledge of the culture of the carnation, which is essential for attacking the disease with success. Or else they may tell us where we leave the door open for the disease to enter. Again I must acknowledge their achievement in defining the diseases with profoundest gratitude, and hope they will be in the future as successful as they have been in the past.

My experience and observations in regard to disease have convinced me of some facts, which I will relate here, knowing very well that they may not be entertained by everybody, but I am ready to defend them unless convinced otherwise. And I would like to state here, and fully admit, that in the time of our cultivation we may meet causes, circumstances unforeseen and uncontrollable, liable to bring on disease. But you must admit too that there are causes that we can control, consequences of insufficient knowledge, misunderstandings and neglect.

In the haste and clamor for relief we sadly neglect to look in our establishments for what may have been caused to give the disease a foothold. We excuse ourselves with the epidemic nature of the same, or when the stock is procured from some other place locate the responsibility there, never allowing or even thinking that we may have given wrong treatment, or may be guilty of neglect. If a new variety is attacked it is simply thrown overboard as too weak to cope with disease; when standard varieties we cannot dispense with we make a wry face and say nothing. This hiding and denying of infested stock has helped more than anything else to spread the disease, especially the rust. Of all diseases the bacteria and rust are the two most prevalent and most dangerous on account of the epidemic nature of the former and the widespread dissemination of the latter. All the other diseases I consider mostly

the result of neglect and wrong culture, or circumstances which cannot be foreseen or forestalled.

Bacteria, these minute beings, invisible to our eyes, are floating in the air, and make their ravages in the animal and vegetable kingdoms. They exist in manifold forms and varieties, and one of them finds the carnation plant a congenial pasture, entering the leaves through the pores and multiplying with great rapidity. It is an acknowledged fact that bacteria are most successful in their ravages on bodies impaired in their health and weakened in strength and resistance. So the same with our carnations.

I have made a study and made experiments in regard to this, and will mention some facts, which must have come to the notice of everyone who takes an interest in the growth of his plants. Bacteria are found very little in the open field culture, but in the confinement of the houses they find a more congenial field in the more soft and succulent growth. They enter only the young leaves and mostly before being unfolded. They never enter the full grown harder leaves. Again very often we find the young plants attacked, just being transplanted from the sand, but as soon as they gain strength the bacteria disappears, or rather the plant outgrows it in a short time. The results of my observations and experiments show that there is danger of the bacteria when we neglect our plants, when their health is impaired by one cause or another, when we see that soft growth, minus the vigor and elasticity characteristic of health, which only gives the strength to resist the bacteria. That pest is usually present, waiting for a chance to find some lodgment; their minuteness is our greatest danger and their greatest strength. We mostly find some sporadic cases in every establishment, telling us of their presence, and when these warnings are neglected they may become epidemic.

It is easily conjectured what remedies will be the most effectual. Here the adage "One ounce of prevention is worth more than a pound of cure" is fully verified. If we follow the laws of nature and see to the wants of the plants, as suitable location, careful planting, abundance of fresh air, light, temperature, moisture, not to forget nourishment, sufficient room for the individual plant, proper support and cleanliness, the result cannot be otherwise than health. In complying with all their wants we must not forget that rules have exceptions, the measures adopted should be defined by the circumstances, or in other words, we must use our common sense, have our eyes open, reason what will be best, and results cannot be but favorable, and bacteria not to be feared.

The other disease mentioned, the rust, I consider more dangerous. Rust is a fungus and multiplies by spores or seed, very small, and in its dust like form is easily carried distances in the air. Where it lodges and finds a place congenial and circumstances favorable it will sprout and grow. The growth is made inside the leaf or stem under the epidermis, and only breaks through the same when the spores have ripened, to be scattered to the four winds. Dr. Arthur of Purdue University and the Indiana Experimental Station, who was the first to examine this disease, tells us that rust produces two kinds of spores, one kind that will grow immediately after distribution and another that will lie dormant for months, providing for the rest of all growth during winter. This may explain rust breaking out anew, after seemingly being conquered. One

other feature is that it thrives best on that part of the plant where moisture is retained the longest, that is, on the lower part, and will only reach higher up when no remedies are used, or not sufficiently. We often see a bench of strong, healthy looking plants apparently free from rust, but on closer examination we find on the lower part the rust fully developed, without giving much check to them. From this we must infer that a healthy plant cannot resist the rust as it can the bacteria. But it tells us too that when we take proper measures to promote the growth of the plant, and the reverse for the rust the same can be held in check very closely. Again the rust only exists where it has been carried by the wind, or purchased with infested plants. If carried once into a locality where many carnations are grown the wind will do the rest. This is proven in establishments isolated, where care is taken in their purchases. The most dangerous part is the pertinacity with which it sticks to a place once infested. The millions of spores scatter and mix with the soil, the same as the seeds of the portulacca; every handful of ground exposed to the air may contain a few seeds ready to take a new start.

At any rate every grower who is annoyed with this pest can by careful cultivation, careful selecting of stock, and careful applying of remedies, do much to bring it down to a minimum. Eradication can only be effected by a concerted action, and much can be done to gain that end. If one keeps his land clean of weeds while his neighbor lets them grow and seed the former will diminish the evil, but cannot eradicate it.

One other question running high in the mind of the carnation grower, and one that is not clearly defined yet, is the introduction of new varieties and the separation of the chaff from the grain. The new era of the rose received its impetus from the growers of France and England in improving the then existing varieties by hybridizing and crossing, producing new varieties of great merit. The enthusiasm found a strong echo in this country. The new varieties were largely imported and their merits fully appreciated, and up to this time the introduction of new varieties is a strong factor in keeping up the enthusiasm. The chrysanthemum was dragged from its insignificance and the modern varieties can hardly be recognized as the descendants of those in cultivation twenty years ago. Our carnation follows in their wake, and bids fair to exceed them all. True, with the advent of new varieties the cultural improvements went hand in hand, but the motive power to keep this ball in motion, is and will be the introduction of new varieties. This fact cannot be disputed. We would in all probability grow just as many flowers, without any new varieties, but we would grow them the same as the farmer does his wheat and corn. Our enthusiasm, our ardor, would be dampened, progress delayed, and our calling largely dismantled of the poetry and art, which characterizes our work and elevates our being.

Now the cry is raised that there are too many new varieties sent out every year, too many that are worthless, and make an expense to the purchaser of money and labor with no return but disappointment, and I am sorry to admit that it is true to a large extent. But it is true also that our judgment is sometimes too rash, too conclusive, and not always given with impartiality. The influence of locality, mode of culture, and careful culture is of

great weight and deserves more consideration.

What can be done to better carnation culture in the whole radius of their cultivation? As commerce is the only available channel for introduction we must treat this matter in a straight business way and look at it in that light. There is no patent on growing new varieties, and we would all feel sorry if there could be. What proves profitable to one will be followed by many, and the output, good and poor, is thrown on the market. After a lapse of time sufficient for trial the good will survive, the poor will go under. Competition will prevail.

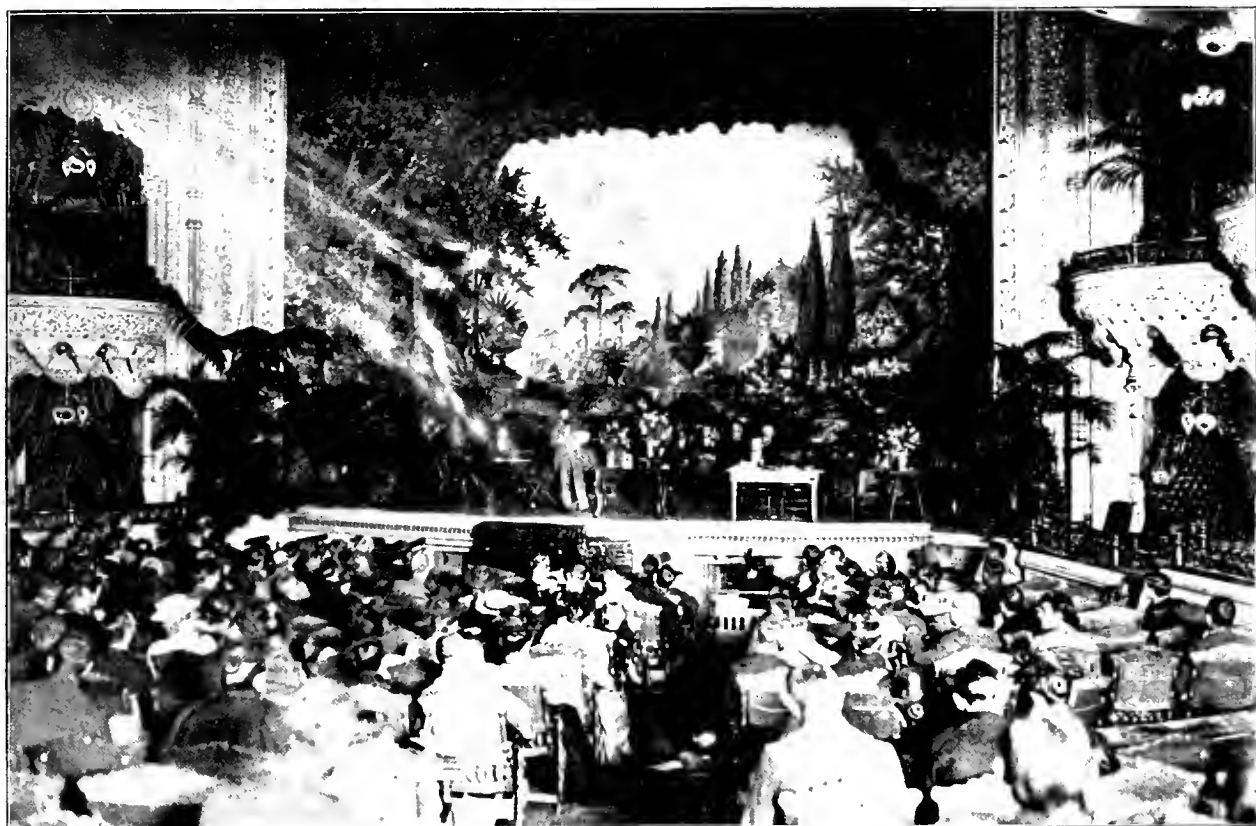
Our Carnation Society, comprising a small number among the carnation growers of the country, has done a great deal for the advancement of the divine flower. Their influence has been felt, and is far reaching. Their exhibitions have been a success and are, to a large extent, the place to separate the chaff from the grain. Their example deserves imitation. But with all our achievements, the measures taken in regard to the introduction of new varieties are inadequate, for we can only recommend, not enforce, we dare not censure our free institution of commerce, and in a trade carried on over the whole length and breadth of the country we must expect to come in contact with evils in human nature.

Again, I do not believe that there has been one variety sent out with dishonorable motives. Every grower thinks of having the best, many times being only too much impressed with this idea, and will fall short of the advance standard of excellence, or produce a variety only of value in some localities. No originator of a new variety can be sure of success. On the other hand, the purchaser knows that he is buying a new unestablished article, mostly on the strength of the originator's advertisements or published reports of persons who have seen, or may have given it a trial, or on the strength of his personal examination. He has no further assurance, his policy is and should be to try for himself. And no progressive go-ahead florist who has his own interest and the advancement of our calling at heart, will begrudge a few dollars and some hours of work, in trying a limited number of plants of new varieties as his confidence, enthusiasm and pocket-book will permit. The speculator being aware of the same facts, has in case of failure only to blame himself. I have come to the conclusion that the true merits of a variety can only be decided by a general dissemination, through the channels of commerce, and cannot be effected in one season, it may take two or three. All preliminary trials are inadequate, they will serve to further the point aimed for and should be endorsed, but they can never be decisive. Let us impress on our mind the fact that the introduction of new varieties is a prominent factor in the advancement of the carnation, and should go hand in hand with the cultural improvement.

#### Latest Facts About Roses.

In opening the discussion Mr. John Burton presented the following, prepared by Mr. Isaac Kennedy of Philadelphia, who had kindly undertaken the matter at Mr. Burton's request:

So much has been said at former conventions about roses for winter forcing that I thought best to deviate from this much beaten path and give a review of some of the latest, and what I consider the best roses for outdoor planting.



PARTIAL VIEW OF THE CONVENTION IN SESSION.

I trust that what I am about to say will be of interest to the grower, who has direct dealings with the amateur; as this paper may in a measure assist him in making his selection from varieties lately introduced, as well as from some of the older kinds. In reviewing the new roses for the past year we notice, not only the usual long list of new roses from Europe, but also a few good varieties originating in America and Ireland. I shall endeavor to describe a few of the very best of these varieties; kinds that I would recommend as being worthy of a fair trial.

Among the hybrid perpetuals the two best varieties of this year are Mrs. J. Sharman Crawford and Helen Keller, raised and introduced by Alex. Dickson & Sons, Belfast, Ireland. Both have taken the highest honors wherever shown. In this country they will be a welcome addition, from the fact that they both flower as freely as Mrs. John Laing, both are strong growers and quite hardy and should prove a valuable addition to our stock of roses for spring sales. Mrs. J. Sharman Crawford in color is a deep rose pink, the outer petals tinted with pale flesh in quite a new and unique shade, distinct from all other hybrid perpetuals. The flowers are large and full. This is unquestionably a rose of great merit.

Helen Keller has received nine first-class certificates in England, and although it has not been tested here to any extent it is well worth watching. It is a free bloomer. Plants will bloom freely in summer from cuttings struck in January. It is of a very vigorous growth, flowers are large, full and fragrant, color rosy cerise, resembling American Beauty somewhat. I recommend these two varieties

because of their hardiness and free flowering qualities.

Of the Continental varieties of ever-blooming roses of last year I have selected the following as being the best adapted to outdoor culture, although I cannot vouch for their entire hardiness:

Hippolyte Barreau.—A crimson rose of striking shape and contour, very double and perfect in form. The color lightens somewhat as the rose opens. It shows up well under artificial light and is a very profuse bloomer. This is undoubtedly one of the best.

La Neige.—A new Bengal rose. This variety is so free flowering that I think it will not only make a good garden rose like Hermosa or Agrippina, but will be also valuable for spring pot culture. The flowers are pure white, medium in size and very double. This ought to be a welcome addition, as we have only a few roses of this class.

Albertine Borguet.—For summer culture I think this will be a good one. It is after the order of Isabella Sprunt but the petals are larger and of firmer texture. The color is a canary yellow sometimes shaded with bright green.

Madame Edward Helfenbein.—What a name to give this lovely rose! This is one of the best of the continental varieties. It is a good vigorous grower. The color is a chamois, apricot yellow, shaded with carmine rose.

Among the polyantha roses introduced last year is an American variety called "Pink Souper." It is claimed to be as hardy and as free flowering as Clothilde Souper. While the flowers are not as large as the last mentioned variety the color is distinct and is a break in the right

direction, as we cannot have too many sports or seedlings from this grand rose.

In the list of climbing roses I will have to put Crimson Rambler in the front rank. No climbing rose ever introduced has attained such widespread popularity in so short a time. Although it was introduced this year over 100,000 plants have already been sold. To my mind, the strongest point in its favor is its hardiness. A prominent rose grower in Philadelphia, in the spring of 1894, set out two strong plants in his trial grounds; by fall they had attained a growth of six feet. They were left unprotected during the winter and in the spring he pegged down one of the stems to the ground. It broke from every eye, and in June he counted on that one stem 320 buds and blossoms. I regret to say that it is not an ever-bloomer.

I may also mention here that there are two climbers of American origin to be introduced next year, Climbing Meteor and Climbing Wootton. If they prove to be hardy and of good vigorous growth and free flowering qualities they will indeed be a valuable addition to our short list of ever-blooming climbing roses.

Before completing this list I must say a good word for two or three of the older varieties that are first-class either as pot plants for spring sale or plants for the open ground.

Maman Cochet.—Although this rose was winter-killed in France when first introduced I have found within the past year that it is one of the hardiest of the teas. Planted in a bed with slight protection every plant survived the winter. In the field, protected only by a furrow of soil thrown up against the roots, 75%



survived. It will be especially valuable to the amateur for cut flowers during August and September. The color is a silvery rose pink. The open flower is very double and as large as a *Mermet*. This I consider one of the finest ever-blooming roses extant.

Another good one for pot culture is *Clothilde Soupert*. Although this is a comparatively old rose the demand for it is constantly increasing, for every amateur having a garden will want it. It is safe to say that over 500,000 of this rose is distributed annually.

To my mind the best ever-blooming white rose in cultivation for outdoor planting is *Kaiserin Augusta Victoria*, it is unquestionably a grand rose for that purpose. Fully 60% of one year old plants survived, unprotected, the severe frosts of last winter, with the thermometer five degrees below zero at Philadelphia.

There is one thing we want to hear constantly in mind, and that is the fact that the amateur American rose loving public want roses that will produce good flowers all summer and at the same time stand our winters without protection. In the hybrid tea we have found a type of rose that in a great measure meets with these requirements. The following are a few of the best—all splendid varieties: *Meteor*, *La France*, *Mme. Caroline Testout*, *Mme. Schwaller*, *Souv. de Wootton*, *Triumph de Pernet* and *Augustine Guinnoiseau*. The above will be found a good list for outdoor planting.

We should encourage the raising of everblooming hybrids and hardy everblooming teas. And there is no reason why we cannot hybridize and raise this class of roses in America instead of depending upon Europe for our supply. We stand upon an unequal footing with our European brethren, our chances for the production and introduction of first class roses are just as great as theirs, but there is one essential feature that they possess and we lack, that is patience. When we acquire that virtue our success is assured. A prominent rose grower once remarked to me that life was too short to bother with hybridizing. Which remark makes the reason more urgent why we should do all in our power to advance this branch of horticulture. The saving clause in American productions is the fact that, as a rule, they are first-class varieties. We wish we could say the same thing of France. Let us hope that the day is not far distant when the American rose growers will stand head and shoulders above our European brothers as producers of the finest varieties of roses.

Of the American introductions this year the most popular are *Mrs. Pierpont Morgan* and *Belle Siebrecht*. *Mrs. Pierpont Morgan* is a sport from the well known *Madame Cusin*. It is a stronger grower and the flowers are much larger and darker in color. It was disseminated by John N. May, Summit, New Jersey. *Belle Siebrecht* is a seedling, a cross between *La France* and *Lady Mary Fitzwilliam*, raised by Alex. Dickson & Sons, Belfast, Ireland, and disseminated by *Siebrecht & Wadley*, New Rochelle, N. Y. The flowers are of a beautiful shade of pink and the buds long and pointed. These roses are being largely tested this year for winter forcing, and it is to be hoped they will stand the test. Both are of a splendid color and a step in the right direction. Locality, soil and treatment have so much to do with the success of any new rose that one year's test is hardly sufficient to decide if it will pay for general forcing. We should not be too hasty about render-

ing a verdict, as we may fail with a new variety the first year, and be successful with the same variety the following year. Do not pronounce it as being "no good," only fit for the rubbish heap, until you have given it a fair and square trial, which to my mind cannot be given with any degree of fairness the first year.

Having broached the subject of winter forcing roses, I will mention an important fact; that is, the increasing demand for large flowers with long stems, such as the *American Beauty*, *American Belle*, *Madame Caroline Testout*, *Bride*, *Bridesmaid* and *Meteor*. While the latter is not an extra large flower, yet it is the best red rose we have for winter forcing. On the other hand, the demand for flowers of the hybrid perpetual class, *Brunner*, *Laing*, *Baroness Rothschild* and others, seem to be on the decline. This is especially noticeable in Boston, New York and Philadelphia.

Before concluding this essay I would impress upon you the fact that most varieties of tea or everblooming roses can be grown more profitably indoors in summer than outdoors. How often do we see the greenhouses of the market gardener empty in summer, when they could be used advantageously for the culture of tea or hybrid tea roses for the following spring sales! It is not necessary to have an ideal house for the growing of roses under glass in the summer. All that is required is plenty of light and air and fairly good treatment to produce fine, strong plants by the first of October. As a rule the market gardener considers his season for the sale of pot plants over by the last week in May. The result is, he invariably has a number of his greenhouses with nothing but empty pots and dried out coal ashes for the balance of the summer. Would it not be a better plan to scrape the ashes off those benches, give them a good coat of lime, put in three or four inches of soil and plant with everblooming rose? Plants from 2½ or 3-inch pots (provided they are healthy) will be large enough. They can be set out 10 to 12 inches each way according to variety. Keep them tied up neatly to stakes, and it is a good plan to keep all the buds pinched off for the first six weeks after which they can be used for summer cutting. By fall the plants will, with proper care, be of a suitable size for 6 or 7-inch pots. They can then be lifted and potted to make room for carnations or whatever the grower may desire to utilize the space for. To prepare the roses for potting you gradually ripen the wood before lifting. This can be accomplished by withholding the water for three or four weeks, but care must be taken to prevent the wood from shriveling. After potting them give them a good watering, keep them shaded for three or four days during the hottest part of the day until they get established. You may then place them in a frame outdoors, where with slight protection they can remain all winter. This, understand, applies only to the hardiest of the everblooming varieties. Hybrids, if as desired, may be treated in like manner.

I will give you a list of a few varieties that I consider good for this purpose: *Countess Riza du Pare*, *Coquette de Lyon*, *Dr. Reymont*, *Mme. Schwaller*, *Etoile de Lyon*, *Hermosa Meteor*, *Mrs. Degraw*, *Marie Guillot*, *Papa Gontier*, *Souv. de Wootton*, *Queen's Scarlet*, *Souv. de Malmaison*, *Marie Van Houtte*, *K. A. Victoria* and *Mme. Caroline Testout*. This list might be considerably lengthened, but the above mentioned varieties are all good bloomers, and in most localities

hardy with slight protection. You can propagate in September from the strongest wood your supply for the following year. The cuttings will root readily indoors in a sand bed three inches deep, partially shaded. With proper attention they will root in three or four weeks. They may then be potted into 2½-inch pots and kept in a temperature not exceeding 58° at night until the following spring, when they may be shifted into 3-inch pots and kept in that size until planting time in June.

In conclusion I would impress upon you the importance of having outdoors an experimental or test bed. How often do you receive roses from Europe and elsewhere with a glowing description of their good merits? You sell those plants to your customers, and, alas, how often are they disappointed? By having a test bed and planting out one or two of each kind you will avoid all that trouble, and prove to your own satisfaction which variety is best suited to your locality. And it will also enable your customers to make a selection. It would be well to have two such beds, planted with duplicates of the varieties, one to be slightly protected during the winter and the other to be left unprotected.

#### Hardy Flowers for Florist Use.

BY J. WOODWARD MANNING, READING, MASS.

To go deeply into this subject would require a paper too long for the patience of this audience, so I have decided to give a mere list of those varieties that are most promising for the use of the florist either for cut flowers or for floral effect in the garden. The fact of the matter is that this branch of floral culture is altogether too much neglected. The possibilities in the use of hardy flowers by the florist are greater than generally recognized. When one sees the enormous quantity of hardy flowers that are sold every morning in Covent Garden, London, at this time of the year, and the alacrity with which they are taken up by the flower vendors and florists of that city the possibility of the same branch in this country is at once quite evident. It is very true that the public is not as well educated up to the use of these flowers as the English public and the French public are at the present time, but will it ever become educated until some definite effort is made to bring them to a proper understanding of the matter? This must be done by the actual use of the flowers by the florist; once used the people will appreciate them, a demand will increase and there will be no trouble whatever in disposing of first-class flowers. The list that I quote is of such as have from actual experience proved of value to the florist, many are already being used in the country or if not used, are being looked for by the florist and will be used as soon as they are offered at reasonable wholesale rates; others that are not so well known in this country I have seen used with the greatest success in European flower markets, and hence I can speak with confidence of their merit. I would recommend the following white flowers:

*Achillea The Pearl*, *Anemone japonica* var. *alba*, *Anemone japonica* var. *Whirlwind*, *Anthericum liliatum* var. *major*, *Aquilegia vulgaris* var. *alba*, *Arabis alba*, *Asperula odorata*, *Aster* var. *Lady Trevellyn*, *Astilbe japonica*, *Aster ptarmicoides*, *Astilbe japonica* var. *grandiflora*, *Campanula carpathica* var. *alba*, *Campanula macrantha* var. *alba plena*, *Campanula persicifolia* var. *alba*, *Catananche cœrulea* var. *bicolor*, *Centaurea montana* var. *alba*, *Clematis recta*, *Delphe-*



nium chinensis var. alba, Dianthus plumarius var. alba, Eupatorium ageratoides, Funkia grandiflora, Euphorbia corollata, Gypsophila Stevenii, Gypsophila paniculata, Gypsophila repens, Iberis sempervirens, Iberis coraeifolia, Iris florentina, Lathyrus latifolius, Lychnis vespertina var. fl. pl., Malva moschata var. alba, Papaver alpinum, Spiraea Aruncus, Spiraea astilboides, Spiraea Ulmaria var. fl. pl., Phlox Nelsonii, Phlox Independence, Platycodon grandiflorum var. alba, Pyrethrum Mont Blanc or Snowball or Aptorodite, Pyrethrum uliginosum, Veronica spicata var. alba.

For a special selection of the best 6 I would recommend the following: Achillea The Pearl, Centaurea montana alba, Euphorbia corollata, Lathyrus latifolius, Pyrethrum uliginosum, Lychnis vespertina fl. pl.

Hardy flowers are particularly rich in those of yellow colors and these that are mentioned in many cases are already well known to the florist trade and need no recommendation. The others can be equally as well recommended and are well worthy of extended use.

Achillea filipendula, Alstromeria aurantiaca, Alyssum saxatile, Anthemis tinctoria, Aquilegia chrysantha, Bupthalmum salicifolium, Chrysanthemum var. Golden Fleece, Coreopsis grandiflora, Coreopsis lanceolata, Doronicum caucasicum, Doronicum Clusii, Doronicum plantagineum var. excelsum, gaillardias in variety, Helenium autumnale, Helenium Hoopesii, Helianthus laeiflorus, Helianthus decapetalus, Helianthus Maximiliana, Helianthus multiflorus var. fl. pl., Heliopsis laevis and variety, Hemerocallis flava, Hemerocallis minor, Hemerocallis Thunbergii, Hemerocallis Dumortierii, Enothera fruticosa major, pentstemons in varieties, Rudbeckia speciosa, Rudbeckia subtomentosa, Trollius europaeus.

Of these the best 6 that I can recommend would be as follows: Bupthalmum salicifolium, Coreopsis lanceolata, Doronicum plantagineum var. excelsum, Helenium Hoopesii, Helianthus multiflorus fl. pl., Hemerocallis Thunbergii.

It is in the use of blue flowers, perhaps that the florist can get the greatest value from hardy plants; it is well known it is a hard color to obtain during most seasons of the year, and for that reason it is particularly valuable to have a source from which to draw through the long summer months when an abundance of other colors can perhaps be more easily obtained. I can recommend the following.

Aconitum autumnale, Ajuga genevensis, aquilegias, in variety, Aster grandiflorus, Aster Chapmanii, Aster longifolia var. formosa, Campanula carpathica, Campanula macrantha, Campanula Van Houttei, Delphinium formosum, Delphinium chinensis in variety, Iris atroviolacea, Iris Edina, Iris Imogene Ware, Iris L'Avenir, Iris cristata, Iris Verna and pumila and its varieties, Linum perenne, Myosotis palustris var. semperflorans, Platycodon grandiflorum, Platycodon Mariesii, Plumbago Larpenae, Polemonium Richardsonii, Polemonium reptans, Scabiosa caucasica, Statice Gmelini, Statice latifolia, Statice Bessieriana, Stokesia cyanea, Veronica amethystina, Veronica incana, Veronica longifolia var. subsessilis.

Of these the best 6 I would recommend would be as follows: Campanula carpathica, Delphinium chinensis, Platycodon grandiflorum, Scabiosa caucasica, Veronica amethystina, Veronica longifolia subsessilis.

In pink, red and scarlet colors there is

also a great variety of hardy flowers to select from, and among these there are many that are well known, while some are new and unique and have a great future at hand. I would mention the following general list:

Anemone japonica, Armeria formosa, Aster Aovae Anglica var. rosea, Astilbe chinensis, Boltonia latisquama, Centaurea declinata, Coronilla varia, dianthus in variety, Dicentra eximia, Epimedium alpinum, Heuchera sanguinea, Lathyrus latifolius, Lychnis chalcidonica, Lychnis diurna var. fl. pl., Lychnis viscaria var. fl. pl., Lychnis flos cuculi plenissima, Lychnis Haageana, Lythrum Salcaria var. superbum, Malva Alcea, Malva moschata, paeonies in variety, oriental poppies in small flowered forms, Phlox Le Soleil, Phlox coccinea, Phlox Lothair, Potentilla hybrida, Pyrethrum hybridum in var., Sedum spectabile, Silene virginica, Thalictrum aquilegifolium.

Perhaps the following 6 can be recommended as highly as any of the above, Centaurea declinata, Heuchera sanguinea, Malva Alcea, hybrid pyrethrums, Lychnis flos cuculi plenissima, Silene virginica.

The above one hundred or more plants are selected from a list of over 1300 varieties of hardy herbaceous perennials that I cultivate and with which I have an intimate knowledge. Many others could be recommended but perhaps none over those already noted.

#### The Trade Exhibit.

We think the exhibit here was scarcely as extensive as at Atlantic City, yet it was remarkably complete and well arranged. The tables of palms and decorative plants were of course a prominent and handsome feature. Near the entrance came the large exhibit of Henry A. Dreer, Philadelphia, including some fine specimens of Araea lutescens and kentias of decorative size, several fine Araucaria excelsa and var., glauca, Farleyense terns, and a large assortment of useful sized palms of the most useful kinds.

Charles D. Ball Holmesburg, Phila. exhibited some fine arecas and a fine collection of medium sized clean healthy palms.

Pitcher & Manda of Short Hills, N. J., staged among their exhibit some grand Araucaria excelsa, a few fine nepenthes, well "pitchered," a large assortment of small ferns, some well grown Farleyense and a very attractive collection of orchids, among which we noticed Oncidium Gravesanum, a few phalaenopsis, and some pretty forms of cypripedium. Among new decorative plants were Nephthytis picturata and Hoffmannia regale.

W. A. Manda, South Orange, N. J., exhibited a collection of medium sized palms and a very pretty form of the well-known fern Adiantum capillus-veneris.

Robert Craig's collection consisted of a lot of useful well grown palms, relieved in color by a number of bright and showy crotons, which Mr. Walker told me were grown outside and lifted. A very handsome variegated shrub in the collection was Eurya latifolia variegata, said to be as tough as an aspidistra.

C. J. Strauss & Co. Washington, D. C., exhibited a batch of healthy young California violets.

In cut flowers the display was confined largely to gladiolus. E. C. Ludwig, Allegheny City, Pa., put up a fine lot. The Cushman Gladiolus Co., Enclid, O., made a superb display, the white and lighter shades being very fine. Betscher Bros., Canal Dover, O., displayed some fine Gandavensis seedlings and a few named varieties. M. P. Dulty, Zanesville,

O., exhibited a small vase of the latest improved cannas. A fine display of hardy phloxes was made by Ellwanger & Barry, Rochester, N. Y.

The exhibits of florists' supplies and requisites was large and made a fine appearance. H. Bayersdorfer & Co., Philadelphia, displayed a large general assortment of fancy baskets, novel and metal designs, grasses, immortelles, celluloid pot covers and pedestals, ferneries, etc.

M. Rice & Co., Philadelphia, put up also a large display including baskets of many designs, wheat sheaves, metallic designs, cycas leaves, chenille and immortelles, a mammoth ship and many other florists' essentials.

Edwards & Docker, Philadelphia, exhibited an assortment of their waterproof folding flower boxes. The Dayton Paper Novelty Co., Dayton, O., showed also a large assortment in many sizes and designs.

The Herculeen Manufacturing Co., Geneva, N. Y.; put up two of their large heaters.

Peterson & Rambo, Collingdale, Pa., exhibited a soil sifter destined if a success to save much hard labor. The Deming Co., Salem, O., exhibited hand pumps and spraying machines with a great variety of attachments.

Quaker City Machine Co., Richmond, Ind., exhibited in working order the Evans improved Challenge Ventilating apparatus. A. Q. Wolfe & Bros., Dayton, O., showed the workings of their Champion Ventilating apparatus.

Detroit Flower Pot Mfg., Detroit, Mich., made a fine exhibit of flower pots and seed pans. The Pittsburg Clay Manufacturing Co., New Brighton, Pa., showed a good assortment of pots, pans and cut flower vases.

Worcester Wire Co. (Mass.) exhibited their patent excelsior carnation support. A. Hermann of New York City made a magnificent display of metal designs, including many beautiful novelties. Benj. Chase, Derry, F. H., exhibited wooden pot labels of many sizes. F. O. Pierce & Co., New York, showed samples of their new glazing material "Mastica" with machine for applying it.

J. C. Moninger & Co., Chicago, exhibited a model greenhouse, showing different styles of glazing, with or without putty, and their lifting apparatus. D. B. Long, Buffalo, N. Y., made a display of his floral photographs and albums, and samples of his Risley Flats smilax. J. D. Carmody showed samples of his indestructible sash bing for ventilators, etc.

L. B. Brague, Hinsdale, Mass., made a display of evergreens, ferns, mosses and greens which enter into the economy of the business. N. Steffens, New York, exhibited a large assortment of his novel wire designs. R. L. Merwin & Co., New York, showed samples of many kinds of plant food said to be especially adapted for many kinds of plants and fruits. T. H. Nevin Co., Pittsburg, Pa., made a large display of paints, colors and putty suitable to the trade. C. H. Joosten, New York, exhibited his rust and mildew destroyer "Fostite" with several different patterns of his magazine bellows.

Cordley & Hayes made a fine show of their indurated fibre ware, including pails, flower vases, and what must be very useful, saucers for pot plants. Joseph Manda exhibited his neatly made wooden orchid basket.

Mr. Henry H. Negley, of Pittsburg, Pa., exhibited for display only a small branch loaded with fruit of a seedling plum which he calls Greater Pittsburg, also a Levathan water melon, weight 72 pounds 4

ounces, these were grown on his farm in Georgia. This about covers the exhibits, but here and there throughout the display were handsome vases of lilies, gladiolus, nymphæas, etc., which enhanced greatly the whole appearance. The exhibition received great notice, not only from those directly interested in the trade but also from the general public.

The Awards.

PLANTS.

H. A. Dreer, Philadelphia, certificate of merit for well grown palms and ferns. Chas. D. Ball, Holmesburg, Philadelphia, certificate of merit for well grown palms and dracenas. Pitcher & Manda, Short Hills, N. J., certificate of merit for exhibit of orchids, araucarias, stove plants and ferns. W. A. Manda, So. Orange, N. J., certificate of merit for Adiantum capillus-veneris imbricatum; highly commended for collection of trade palms. Robt. Craig, Philadelphia, certificate of merit for exhibit of highly colored crotons and other decorative plants. C. Strauss & Co., Washington, highly commended for exhibit of plants of California violet. D. B. Long, Buffalo, honorable mention for "Risley Flats" smilax plants.

FLORISTS' SUPPLIES.

Certificate of merit to H. Bayersdorfer & Co., Philadelphia, for general display of supplies; to A. Herman, New York, for metal designs; to D. B. Long, Buffalo, for floral photographs. Honorable mention to M. Rice & Co., Philadelphia, for general florists' supplies; to Cordley & Hayes, New York, for indurated fibre vases, saucers, etc.; to Edwards & Docker, Philadelphia, for waterproof paper flower boxes. The exhibit of wire designs by N. Steffens, New York, was highly commended.

CUT FLOWERS.

Cushman Gladiolus Co., Euclid, O., certificate of merit for seedling gladiolus No. 1; honorable mention for collection of seedling gladioli. Ellwanger & Barry, Rochester, N. Y., honorable mention for collection of hardy phloxes.

RUBLS AND SEEDS.

J. C. Vaughan, Chicago, honorable mention; W. A. Manda, So. Orange, N. J., honorable mention.

GREENHOUSE APPLIANCES.

Certificate of merit to Quaker City Machine Works, Richmond, Ind., for ventilating apparatus. Honorable mention to A. Q. Wolf & Bro., Dayton, O., for ventilator. Honorable mention to Detroit Flower Pot Mfg. for flower pots. Certificate of merit to Pittsburg Clay Mfg. Co., New Brighton, Pa., for flower pots. Certificate of merit to C. H. Joosten, New York, for magazine bellows. Certificate of merit to J. D. Carmody, Evansville, Ind., for sash hinge.

MISCELLANEOUS.

Worcester (Mass.) Wire Co., certificate of merit for carnation support. Deming Co., Salem, O., honorable mention for spraying machinery. F. O. Pierce & Co., New York, certificate of merit for glazing machine and material. John C. Meyer & Co., Boston, honorable mention for "Silk-aline." Benj. Chase, Derry, N. H., honorable mention for wood labels. C. H. Joosten, New York, honorable mention for Postite and magazine bellows. The exhibits of putty by T. H. Nevin, Pittsburg, and Asbestine paint by J. E. Blackmore, Pittsburg, were highly commended.

The Bowling Games.

Buffalo again won the Spaulding cup and the banner, and they now become theirs permanently. Flatbush was second, and won a pair of bronzestatues. Of the individual prizes, first, a satchel, was won by Eckert of Buffalo, second, a shaving set, by J. Sweitzer of Flatbush; third, a cane, was captured by Brown of Philadelphia, while fourth, a silver basket will hold cake for Philip Scott of Buffalo.

Of individuals not members of teams, John Walker of Philadelphia took first, a a box of cigars, while second, a celluloid toilet set, was captured by Kahrlt of Philadelphia. Following are the scores:

BUFFALO.			
P. Scott	157	148	177
E. Asmus	163	144	139
G. Eckert	193	170	177
F. P. Kastig	149	131	145
W. Scott	158	150	153
E. I. Mepsted	134	131	136

Totals 951 874 927

FLATBUSH, N. Y.			
P. Riley	171	156	140
P. Dailedouze	98	163	99
J. Sweitzer	175	182	141
F. Keller	178	145	134
E. Dailedouze	139	158	133
D. Y. Mellis	119	174	167

Totals 822 981 814

NEW YORK.			
E. Leuley	146	149	167
J. Manda	105	133	126
T. Roehrs	168	127	128
A. Dihm	126	108	121
M. Keppler	139	150	151
P. O'Mara	136	132	142

Totals 820 797 835

PHILADELPHIA.			
Brown	150	114	181
Anderson	120	114	143
Haines	155	131	114
Connor	88	137	148
Craig	137	135	142
McLean	131	109	109

Totals 781 740 838

PITTSBURG.			
H. Scherer	129	134	131
J. B. Murdoch	117	139	102
Negley	135	90	108
J. Ludwig	107	88	109
W. Lauch	128	120	97
E. C. Reineman	117	113	125

Totals 733 684 672

BOSTON.			
Sutherland	98	96	
Wood	117	109	
McRorie	122	126	
Berry	110	124	
Dawson	90	169	
Pieser	80	106	

Totals 596 670

Boston withdrew and did not play last game.

The Shooting Tournament.

At the shooting tournament on Thursday afternoon the Philadelphia team was at the head with a score of 87, Pittsburg second, score 76, Holmesburg, Phila. third, 66; Buffalo fourth, 41, and New York fifth, 21. The scores were as follows:

PHILADELPHIA.			
Geo. Anderson	19		
Wm. J. Collfesh	18		
Thos. Cartledge	11		
Ed. Reid	21		
John Burton	18		
Total	87		

PITTSBURG.			
P. S. Randolph	9		
Henry Negley	17		
W. B. Ague	13		
L. P. Ross	19		
Geo. Murdoch	18		
Total	76		

HOLMESBURG, PHILA.			
Chas. D. Ball	15		
A. B. Cartledge	15		
Wm. K. Harris	12		

Lemuel Ball	9
Geo. Craig	15
Total	66

BUFFALO.			
Mr. Hewson	8		
W. B. Scott	10		
P. Scott	15		
M. Milley	4		
Wm. Scott	4		
Total	41		

NEW YORK.			
N. Steffens	11		
E. Leuly	1		
Joseph Manda	1		
Mr. Shaw	3		
Mr. Keppler	5		
Total	21		

The first team prize was a handsome silver water pitcher and goblet, the second a silver jardiniere

In individual prizes for members of teams the first for best personal score, a parlor lamp, went to E. Reid, of Philadelphia; second, a silver shaving cup and brush, to L. P. Ross, Pittsburg; third, a revolver, to Geo. Anderson, Philadelphia.

In the individual shooting, 10 birds, the first prize, a silk umbrella, went to Geo. Anderson, with a score of 10; second, a box of fine cigars, to John Burton, also of Philadelphia, with a score of 9. There were thirty competitors.

A Carriage Ride.

Wednesday afternoon the ladies were treated to a carriage ride. The party numbering about two hundred, started soon after dinner and were taken through the east end to Schenley Park and then to Highland Park by the Allegheny river entrance. Here they were grouped in front of the bedding and photographed. On the return a stop was made at Morgan's Cafe and refreshments served, the party reaching their hotels at 7:30 p. m.

Invited to Nashville.

On Friday morning President Lonsdale received the following telegram from Nashville: "Edwin Lonsdale, President: The Nashville Chamber of Commerce, Centennial Exposition, Mayor and City Council beg you to hold your next convention in Nashville during our Centennial year, 1896. Please answer." Of course there could be but one answer as Cleveland had already been selected for the convention of 1896, but it is pleasant to know that our company is considered desirable by so many cities.

A report of the excursion on Friday afternoon and the essays upon "Horticultural Education" and "The Society's influence in popular horticultural advancement" will appear next week.

The Eastern Contingent.

Promptly at 7 a. m. on Monday morning the Priscilla glided into her dock on the North River and President Allen and ex-President O'Mara of the New York Florists' Club, who had arisen with the daylight that they might be on hand to extend the courtesies and welcome of the club to the excursionists from New England, espied the little group of delegates who were to represent Boston at the Pittsburg meeting. There were handshakings and greetings among old friends who meet but once a year thus, and then the party was escorted to the Cosmopolitan Hotel, where Chairman Rath and several others of the local committee were found in charge of a long breakfast table to which they invited the guests in the name of the New York Florists' Club.



BEDDING IN HUMBOLDT PARK, CHICAGO, 1895.

An hour and a half later the white badge of the New York Club was abundantly in evidence at the Cortlandt street ferry of the Penna. R. R., and a genuine surprise was sprung upon the committee and everybody else, for instead of the twenty-five souls who had been counted upon to brave the 450 miles that lay between New York and Pittsburg full sixty enthusiastic excursionists, including a fair representation of ladies, were counted, and great rejoicing fell upon all as they realized that New York was to be the banner town in point of numbers at the Pittsburg convention. Only one man was found fully prepared for any crowd that might appear, and that was Mr. Charlie Weathered, who with beaming countenance presided with the ease that comes of long experience over a mysterious looking tub well heaped with ice which occupied the end compartment of the car.

Time went quickly until Philadelphia was reached, and with this accomplished Charlie's job came to an end and the agreeable duty of caring for the material comfort of the party, now swollen by the addition of about fifty more, fell upon the shoulders of Chairman John Westcott and his willing assistants. Good natured Charlie Kahler stuck to his post in the baggage car for the eleven solid hours of the run to Pittsburg, and his supply was inexhaustible. There were canteloupes by the barrel, baskets upon baskets of peaches and pears, great boxes of sandwiches and liquid refreshments without limit. Where the ice cream and cake that was served throughout the evening came from was and always will be a mystery, and for once at least the ladies got more ice cream than they could get away with. Great is Philadelphia, and her hospitality knows no bounds.

It was nearly midnight when Pittsburg was reached, and nothing had happened to mar the pleasure of the trip excepting the report which was received that the smoky city had been visited by a cyclone on the preceding night, which it was understood, however, had not molested the Alvin Theater or the Schenley Park greenhouses, so it might have been "worse, much worse." At Lancaster a mild cyclone struck the train, when Harry Schroyer boarded the train, expressed his regrets at inability to go, paid his respects to the baggage car and then departed as suddenly as he came. At the Pittsburg

station a row of watchers wearing the badge of the Pittsburg and Allegheny Gardeners' and Florists' Club, and the tired excursionists were at once convinced by the heartiness of their welcome that they were indeed in the hands of their friends.

#### Herbaceous Plant Notes.

##### GRASSES.

Almost indispensable in every garden are the grasses, the taller growing species for mixing in here or there in the borders and shrubbery and the dwarf varieties for smaller beds or for edging. Large beds may be planted exclusively with them, or intermixed with cannas, yuccas, phormiums, etc., or they may be employed in sub-tropical bedding with the best effect. A number of the most desirable varieties are named below.

*Acorus gramineus variegata*, a very dwarf species with stiff erect flag-like leaves, beautifully variegated with yellow and creamy white. It forms fine fan-shaped little tufts and is a most desirable plant for edging. Although moist places are most suitable for this variety and it grows luxuriantly even in shallow water, it does equally well on rather dry soils. Height 6 to 8 inches. Also a useful plant when potted up and kept growing in winter.

*Aira fol. var.*, also a very fine and hardy grass with long narrow foliage, beautifully and profusely variegated with yellow, makes a fine plant for low edgings, growing very compact and dense; it does well in dry places. Height 6 to 8 inches.

*Arundo Donax*, the reed, does well in ordinary garden soil, where well established old plants will attain a height of 10 to 12 feet, but if newly transplanted 5 to 7 feet may be considered a good growth for the first season. As specimen plants or clumps in the lawn or in rather low and damp places, few plants are as ornamental as these arundos, the long bamboo-like canes are clothed with large long and arching, glaucous green leaves to the top, and the plant has a decided tropical appearance, well suited for the center of large sub-tropical beds.

*Arundo Donax var. (versicolor)*, a variegated form of the above, is very much dwarfer, only attaining a height of 3 to 5 feet; has beautifully variegated foliage, which is much broader and more

closely set along the stout canes than in the type. One of the most useful and highly ornamental plants for bedding purposes, especially for sub tropical beds; although when newly divided and replanted the canes may not come up to expectations the plants will surely make up for it another season if left undisturbed. This variety may require a little protection in winter in some sections, but here with us it is perfectly hardy without any covering at all, and we frequently have the temperature drop below zero.

*Dactylis glomerata var.*, a ribbon grass, largely used in gardens for bedding and borders, grows in any situation and is well known to everybody; height 18 to 24 inches.

*Elymus condensatus*, a tall and slender growing grass with gracefully arching long leaf blades and compact habit, is also an excellent plant for lawns or beds, and grows to a height of 7 to 9 feet. Any soil or situation suits it.

*Erianthus Ravennæ*, a stately, rather tall and compact growing grass, resembling the pampas grass, but on account of its extreme hardiness more valuable than the latter, has long narrow and arching foliage and erect plume-like inflorescence, grows to a height of 6 feet or over, and may be used in the same way as the other tall varieties.

*Eulalia japonica* (the green variety) is a very strong grower, and the inflorescence when dried is much esteemed by everybody and used largely in vases, etc. during winter months; grows 5 to 6 feet high. *Eulalia japonica variegata* with a band of yellowish white running through the center of each leaf blade is highly ornamental as a single plant or when planted in the border. The inflorescence is somewhat smaller than in the type, but has the same light and leathery appearance; height 4 feet. *Eulalia japonica zebrina* is a tall and strong growing sort with dark green leaves, which at intervals have cross-bars of creamy yellow, giving the plants a most unique and striking appearance. A highly ornamental, useful and free growing form; height 5 to 6 feet.

*Eulalia jap. gracillima univittata* is an exceedingly fine and graceful form with very narrow leaves, which distinctly show a greyish white midrib in the blades from base to tip. Undoubtedly the finest of the family and should be employed largely

in every possible way. All the eulalias are extremely hardy and deserving the highest commendation. Large beds of them as well as single clumps will at all times during the growing season look handsome and attractive. The dry and hot summer weather will not affect them in the least, and in the late fall the feathery inflorescence adds greatly to their beauty. Along the fences, in the shrubbery or in beds and singly as specimens, with no care whatever, they are an ornament wherever planted. J. B. KELLER.

Rochester, N. Y.



Chrysanthemum Notes.

The routine work for this week will be about the same as for last. Continue removing the laterals, attend to the tying and keep close watch of the watering. At this date many of the early varieties, such as Marion Henderson, October Beauty, Mme. F. Bergman, Yellow Queen, Mrs. E. G. Hill, and a few others are showing crown buds. If taken now these will produce flowers from October 5 to 15. Referring to last year's work we find these memoranda: Marion Henderson, crown bud, taken August 25, cut October 12, 6½ inches in diameter. Best date. Mrs. E. G. Hill ditto. These flowers were allowed to fully develop before cutting, and thus might have been considered marketable four to six days earlier.

How soon shall we begin applying liquid manure? Having such an inquiry before us will take this opportunity to reply. As our method of growing chrysanthemums is so different from that generally employed we may be unable to offer any suggestions that will hit your case. Where the compost is rich with manure and bone meal, and the plants are continuing to make strong growth, September 1 or as soon as the buds begin to form will be soon enough. Each grower should be governed by the condition of the plants, but we should not hesitate in giving liquids at any time when there is apparent lack of vigor. It is difficult to give definite rules in such matters, as experience is our best teacher. We have been giving weekly applications since July 1 to stock planted June 15, but bear in mind our soil had neither manure or bone. We prefer supplying the necessary nutriment in liquid form as the plants require it.

ELMER D. SMITH.

work of digging with good clean spades, one man on each side of the plant, and you see that they do it well, not breaking off half of the roots. Never mind if the soil is dry where it is of a sandy nature, for then it will fall from the roots all the easier. If you have a heavy soil and you wish to plant now get out the irrigating works and soak the soil, then you will have no trouble. Of course you have all furnished yourselves with the pipes spoken of several months ago, and now they will come in very handy.

Yes, I shake off all the dirt, because I have found that carnations do best when treated this way. Many don't agree with me, and I do not expect them to, for it may be just the reverse in other sections of this little land; however, if you have been in the habit of planting with a ball try the other way. Do not crowd the plants; give them room and lots of it. Let there be light between the plants next January, that means five to eight inches between them now. When the plants are set set them firmly; do not pound the soil around the roots, but be assured that every root is in its proper place, then turn on the hose and soak that bench of soil until the surplus water runs through the bottom. Do not soak them again, but do not let them get dry. Keep the sprayer going until the plants have taken hold and show new vigor, then water freely, endeavoring to have the soil always moist, but not soggy or muddy. When I say keep the sprayer going I mean keep the atmosphere in your houses moist, so much so that it will show on the glass.

It will be well to mulch the soil on your benches, and sheep manure is a very good mulch, just enough to keep the surface of the soil from drying.

CHARLES H. ALLEN.

#### Chicago.

The cut flower trade drags along in that listless sort of way usual at this season of the year. Good stock of any kind is scarce; the best quality finds a ready market enough, but there is but little of it, most of the stock offered being of a quality that nobody cares to buy even at the low rates that such stuff is offered at. Nominally the price of roses is from 2 to 3 cents, but only the best selected Testout, Kaisersins and Meteors bring the top figure; \$1 per hundred is probably the average price obtained for the ordinary grades, and in job lots of 500 to 1,000 at less than that. Of carnations in colored varieties, both under glass and indoors, Scott is at present the best. This variety holds its color well even in extreme hot weather, and as to size is also a good fair average. A few good Tidal Wave are still on the market, but the larger part are very poor. Daybreak from one or two establishments is of good color and fair size. Field grown stock is becoming more abundant, Mrs. Fisher being the best in white, and when disbudded is very good indeed. The difference in price between the disbudded and that grown naturally is 25 cents per hundred, 50 against 75 cents per 100, that is 33⅓ per cent in favor of disbudded stock. Portia is also cut freely in the field, and so is Scott. There are few lilies in the market. L. roseum and album are noted by their absence. Anraturum is fairly plenty; sells at 75 cents to \$1 per dozen. Hydrangeas have made their appearance and sell at 50 to 75 cents per dozen. Sweet peas are short in supply and of very poor quality.

The outlook for a better quality of stock in the near future is promising. The young rose stock is uniformly in

very good condition. The carnation fields also look very fair. The plants are now making a rapid growth, and in low ground where there is plenty of moisture the plants in some localities are larger than desired. Violets in most places look unusually fine, while at other places the stock is more or less affected by the drouth.

The ball game between the wholesale and retail nines, played August 10, resulted in a victory for the retailers. Both sides have now won an equal two games each. The final game is scheduled for September 1, and will be played at Riverside. A picnic is being arranged for by the clubs. All members of the fraternity and their friends are cordially invited to be present.

#### Philadelphia

At this time, August 21, there appears to be a lull all along the line, it being convention week, with all it implies. The rank and file of the profession are in the midst of enjoyment at the other end of the state. It was a pleasant sight to see the boys off for Pittsburg on the 19th, and many familiar faces were seen among the Boston and New York delegations. After the Philadelphia delegation boarded the train in this city it was officially announced that this being the Presidential train the utmost decorum was desired, which rule was observed, for at least a mile or two.

We are glad to report the return of our friends Messrs. Joseph and Thos. E. Meehan, who returned from Europe after an enjoyable visit. Mr. Joseph Meehan is more enthusiastic over this country and its products than ever; he states that he was surprised to see the limited variety of trees and shrubs in the old country compared with those of our own. Mr. Meehan states in all earnestness that you can see in Germantown, Philadelphia, a greater variety of beautiful shrubbery and trees than all England can produce.

The brief ceremonies attending the laying of the corner stone at the new Horticultural Hall were attended by a few of the members of the society, and as usual with all their gatherings the florist element predominated; the ceremonies were simple and brief, quite in keeping with the staid old Horticultural Society.

Among the growers it is noticeable to see the vast stock in the very pink of condition. Mr. W. K. Harris has as heretofore a beautiful stock of decorative plants; he grows only a certain line of plants, but they are grown well and are the same year after year.

Mr. Robt. Craig may not while abroad be heard humming the tune "The Girl I Left Behind me," but after a tramp through his establishment one would not wonder if he was continually humming "The palms I left behind me." The greatest aggregation of young palms ever before seen appears to the writer to be at this place of Craig's.

The establishment of Henry A. Dreer, Riverton, N. J., is under the direct management of Mr. J. D. Eisele, one of the company. This place is of importance to the horticultural world. The stock is varied and up to date; it is a grand treat to wander through this vast place. With the addition of the fifty thousand feet of glass now in course of construction it might well be named a "Crystal Maze."

Mr. Lemuel Ball, Wissinoming, has his houses in good shape, filled with fine decorative plants in good condition.

The establishment of Chas. D. Ball, Holmesburg, has its usual fine stock of decorative plants.

F.



Carnation Notes.

Are you ready to plant? Are your benches thoroughly whitewashed and filled with first-class well enriched soil to the depth of four inches? Then start your lifting. How? Why let two men do the



## Baltimore.

The weather, which was so intolerably hot last week, is now, thanks to a welcome and heavy rain, very pleasant and cool. The rain came in good time, for everything outside that was not watered daily would soon have been totally dried up. Trees were shedding their leaves freely, and here and there a well-gave out, but now lawns are clear green again and flower beds fresh and blooming.

If anyone wishes to see up-to-date houses filled with vigorous roses, chrysanthemums and carnations let them take a trip on the "City and Suburban" railway out North avenue to Halliday Bro's. place. Notwithstanding the fact that they have just finished erecting two houses each 150x20 and planted them, the entire place is in the very pink of condition, and one is almost tempted to say it would be impossible to find a batful of weeds or thimbleful of insects in the whole lot of houses. Their violets in frames are superb plants ten inches across with buds now perfectly clean and healthy. Two rows of dwarf oranges planted out of doors attracted attention by their remarkably vigorous and compact growth. Mr. Robt. Halliday, who spends his time on the place evidently has guessed the secret of successful culture. He is not growing show specimens of chrysanthemums this year, all but a very few plants being set out in beds.

The last club meeting was quite interesting from the debates that sprang upon the questions of the advantages derived from the local and national associations of florists. Another feature of the meeting was Mr. Paul Binder's entertaining account of his trip to Germany, from which he has just returned. He gave a glowing account of the parks and planting. Another special premium for the show has been secured, this time from A. S. Abel & Co. (*The Sun*) of fifty dollars for twenty specimen plants.

Trade in cut flowers is extremely dull, most of the florists being willing to buy at the prices, without complaint, whenever they are fortunate enough to get a small order, generally of funeral work, but not many are disposed to make displays in their windows, except of the simplest and most unpretentious character.

Mr. Wm. Fraser has erected two new houses about 100x18 each. His young palms are in frames and are looking much more robust than house grown plants. He claims this to be the only way to produce palms that will stand the rough usage of decorating. MACK.

## Florists Who Advertise.

I was walking up F street with Dr. Bedloe, the well known Philadelphia wit and raconteur, the other evening. He said he was going after a florist. I told him there were two nearer than the one he was looking for.

"I am seeking this man," said the doctor, "because he advertises in the papers."

"Cheap flowers?"

"Not at all; because the man who advertises in the newspapers is always up to the times, and he is easier to deal with. You laugh, but I tell you it is a fact. I have studied this over and I know from personal experience. For the last few years of my life I've made it a rule never to deal with any business man who doesn't advertise. I wanted some flowers to send off in a box by mail and I looked in the paper this morning for the advertisement of a florist. Now you see, he wants to deal with me—else he wouldn't put that in the papers. I don't know any of the places here; but the rule is a good one. I'll bet you anything you say that I can get what I want at this place and get it cheaper than anywhere else, or at any flower place that keeps its name out of the newspapers. The business man that doesn't advertise almost invariably cheated me, on the theory, I presume, that I'd come there anyhow—or that his reputation always found such a man narrow-minded,

selfish, non-enterprising, penny wise and pound foolish, even if he didn't cheat me outright. No, sir; I never buy anything of him."—*Ad in Advertising.*

THE PREMIUM LIST of the chrysanthemum show to be held by the Pennsylvania Horticultural Society at the Academy of Fine Arts, Philadelphia, November 5-9 next, is now issued. It contains the usual liberal list of regular and special prizes.

## SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

**SITUATION WANTED**—By young man, age 26, in florists' store; 10 years' experience; reference. HARVEY C. SHEAFF, 508 Smithfield St., Pittsburgh, Pa.

**SITUATION WANTED**—By first-class grower of S. roses, carnations and chrysanthemums. Address JAMES HAUCK, care Park Floral Co., Denver, Colo.

**SITUATION WANTED**—By young man, 25, with some experience of the business, not afraid to work. GEORGE ZEUCK, care Park Floral Co., Denver, Colo.

**SITUATION WANTED**—For the first of September by a married man, expert in growing grapes in greenhouse, and general stock; best of reference. ED. LEROT, 184 Stevens Ave., Joliet, Ill.

**SITUATION WANTED**—As gardener's assistant by young man, age 18 years. Have references. Private place preferred. Handy at anything around greenhouses and lawns. W. BOECK, Elmhurst, Ill.

**SITUATION WANTED**—By a German florist, single, 32 years of age; thoroughly competent in growing tea and hybrid roses, carnations and chrysanthemums in growing cyclamen and in forcing bulbs, and also can grow Easter plants and palms; first-class recommendations from leading firms. Address K. L., College Point, L. I., N. Y.

**WANTED**—Agents to sell Child's Rainmaker nozzle. M. M. JONES, Gen'l Agent, 6122 Oglesby Ave., Chicago.

**WANTED**—A capable gardener for care of greenhouse and garden; private; wages \$50 a month. Apply at once to THOMAS PETERSON, 1120 Ninth Street, Moline, Ill.

**WANTED**—A competent man for palms, ferns and general greenhouse stock. Must have first-class references. Address H. F. HALE, 548 West Madison St., Chicago.

**WANTED**—Competent stenographer with good knowledge of the seed business. Address, with references and stating salary expected. X Y Z, care American Florist.

**FOR SALE** 16 section Mills boiler, second hand, in good condition. Address HOLT HEATING CO., 30 Union St., Boston, Mass.

**FOR SALE OR LEASE**—Three greenhouses, 75x76, with stock therein, shed, barn, etc.; old established business in good location; easy terms. Address ALFRED HAMLIN, Kansas City, Mo.

**FOR SALE**—At a bargain, 3 large Latania Borbonica in 14-inch tubs, 8 sweet bay trees, 4 of them Pyramids, 4 standards, and 10 feet high; will exchange for kentias, arecas and palms. GEO. D. HALE, 5 West Genesee St., Buffalo, N. Y.

**TO RENT**—Desirable greenhouses and florist's business; established over 25 years; first-class trade, and everything in order for favorable business. Full particulars, with reasons for renting, furnished on inquiry. Address H. M. FORBES, Meriden, Conn.

**FOR SALE**—A rare chance! A plant of 3000 square feet of glass in first-class order, heated by hot water and fuel; fine dwelling of five rooms, wood and coal sheds, barn, cisterns and well; about two acres of well improved land. Business well established in this city & surrounding towns. Located at Fort Madison, Lee Co., Iowa, with population of about 15,000. Two blocks from electric car. Shipping facility A No 1. Fuel cheap. No better paying business for amount of capital invested in the United States. Address for full details and information H. W. ROEFMEISTER, Box 153, Fort Madison, Lee Co., Iowa.

**FOR SALE AT A BARGAIN**—Good reasons for selling a good place; houses well stocked, 2,000 field grown carnations, best varieties; 1,000 roses on benches, 100 smilax 8-6 inches, over 100 cypresses, palms, 2 houses; few short span to south, 21x81 feet, 119x75 feet; boiler house 2 x 0; have boiler and pipe wind engine and tank, water piped in greenhouses and field; have new dwelling house, 5 large rooms, 1 small room, 7 squares from court house; 500 p population; no other houses, use natural gas for fuel, \$8.00 per month for boiler, a complete stock. Price \$25,000; \$5,000 down, balance in payments, to run 6 years if wanted. Write for full description of place and stock, a fine place. Address FLORIST, Lock Box 16, Portland, Ind.

## FOR SALE BOILERS.

Several good second hand tubular boilers, 35 to 60 H. P., in good order; just the thing for greenhouse heating, either for steam or hot water, will be sold cheap. Cleveland Steam Boiler Works, Center Street, CLEVELAND, O.

## PALMS SELL ALL THE YEAR.

Our 17 collection, 3 & 4-inch \$3, 34 for \$5; 10 4 & 5-inch \$3, 50 20 for \$6; 6-inch for \$5. All good selected varieties. Special sale: Choice Ferns, \$5.00 & \$8.00. SMILAX, fine plants in 2 1/2-inch pots, \$2.00 per 100. Send for lists. Williams & Sons Co., Batavia, Ill., Labels & Moss, etc.



## PALMS.

EACH  
Areca lutescens, \$3 to \$15  
Kentia Belmoreana, 3 to 10  
Kentia Forsteriana, 3 to 10

CALL AND SEE THEM.

JOHN BURTON,

WYNDMOOR,

Near Chestnut Hill, Philadelphia, Pa.



The most Complete Assortment of Stock in the West for

## FLORISTS and NURSERYMEN.

Headquarters for Roses, Tender and Hardy Plants, Shrubs, Bulbs, Trees, etc.

Catalogue and Price List free.

THE STORRS & HARRISON CO.,  
Painesville, Ohio.



## TRY DREER'S

## GARDEN SEEDS,

Plants, Bulbs & Requisites.

They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER,  
Philadelphia, Pa.

When writing mention the AMERICAN FLORIST.

## ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England.

A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106 and 108 Liberty Street, New York City  
Send for illustrated catalogue.

## EXTRA PANSY SEED.

## MAMMOTH SUNBEAM STRAIN.

A grand collection of plant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt., 500 seeds, 25 cts.; 3 pkts. 60 cts.; 6 pkts. \$1.00.

A pkt. of 500 seeds of the new, peculiar and amusing Monkey Face Pansy added to every \$1.00 order.

JOHN F. RUPP, Shiremanstown, Pa.



## Milwaukee, Wis

Several large funerals and a few weddings livened up the florists' business the past week. The supply of good stock was short of the demand, while poor stock remained plentiful with little demand even at very low figures. Asters and gladiolus have been a glut on the market, the former selling 25 to 50 cents per hundred, the latter 25 to 50 cents per dozen. Sweet peas are becoming scarce, especially white. The sale of outdoor flowers this summer has been far below the average in comparison with former seasons. N. Zweifel is cutting some fine carnations, all under glass, Wm. Scott, Silver Spray, Daybreak and some Lizzie Gilberts. H. Von Oven is cutting some Beuties of exceptionally fine quality. Chas. Zipnick is adding another large house for the growing of plants, mainly mignonette and hybrids, which are his specialties. Robt. Currie's new greenhouses are well under way, and Mr. Currie states that he will soon be ready for business.

Very little enthusiasm was expressed here in regard to the S. A. F. convention, only one, Mr. C. B. Whitnall, making the trip.

Milwaukee was greeted by a host of visitors the past week. Mat Evert, O. H. Freese and wife of Chicago; V. Wayman and P. W. Breese of Madison; Mrs. O. Bauman, Manistee, Mich.; Jos. Wright and wife, Delavan; A. Butchart, Waukesha, Wis.; H. Bucheler, Oconomowoc, Wis.; A. G. Robinson, representing the Louisville Spirit Cured Tobacco Co.; Mr. Spero of Zinn & Co., New York. INCOG.

OMAHA, NEB.—A. Donoghue has just completed two houses, built short span to the south; one house built for carnations is 154 feet long by 23 feet wide; the other is a rose house 154x18 feet.

SALT LAKE CITY, UTAH.—Weather hot and dry. No rain for past two months. Business quite dull.

## FLORISTS' HAIL ASSOCIATION

## SECRETARY'S REPORT.

The membership of the Florists' Hail Association of America was 624 in good standing on August 1, 1895.

The risks carried on that date amounted to an equivalent of an insurance upon 7,489,312 square feet of glass, divided as follows: On 2,440,584 square feet of single thick glass; on 3,652,490 square feet double thick glass; an extra one-half insurance upon 77,757 square feet of single, and 218,675 feet of double thick glass; an extra whole insurance upon 144,618 square feet of single, and upon 803,074 square feet of double thick glass.

The reserve fund consists of \$4,000, invested in bonds, and \$94.39 cash in hands of treasurer, uninvested. The amount in emergency fund was \$2,044.97 cash in bank. No Assessment has been levied during the past year. The treasurers have collected \$171.25 interest on bonds, which now appears in emergency fund statement.

The expenditures for the year have been \$753.23, for stationery, salary of officers, advertising and all other necessary expenses. The sum of \$1,689.96 has been paid to members for losses.

Twenty-four thousand seven hundred and forty-four square feet of single thick, and six thousand five hundred and fifty-two square feet of double thick glass belonging to members have been broken during the year by hail. Of single thick, one square foot out of every 98.8536-12371, and of double thick, one square foot out of every 557.739-1638 insured was broken.

Your secretary has been able to locate forty-five hail storms, in seventeen different states, during the past year, and the especial feature has been the series of violent storms east of the Allegheny Mountains, from which the Florists' Hail Association escaped serious loss, because very many of those who suffered believe the "hail belt" was located farther west.

In conclusion, it is well to state that notwithstanding financial depression, the Florists' Hail Association has made its usual percentage of increase, and your secretary has knowledge that very many of its members are actively engaged in urging their friends to join the association, which fact will, no doubt, lead to a largely increased membership during the coming year.

JOHN C. ESLER, Secretary.

## TREASURER'S REPORT.

During the past year two persons have officiated as treasurer, as will be seen by the following report:

Cash on hand reported by J. G. Esler Aug. 1st, 1894.....\$5200.15  
Cash received by J. G. Esler to Oct. 16th, 1894.....\$ 141.31

DISBURSEMENTS BY J. G. ESLER.  
Expressage on bonds from Terre Haute.....2.25  
Loss of B. Jacobs.....13.25  
J. M. Jordan for extra services by order of the Board.....25.00  
American Florist for advertising.....1.96  
Loss of A. H. Bailey.....7.35  
Re-adjustment of the loss of Arthur Flornhill.....20.55  
A. T. DeLaMare Prtg. and Pub. Co., 1,400 letter heads.....10.00  
American Florist, advertising annual report.....14.00  
Loss of A. S. McBean.....2.96  
Loss of Mangelsdorf Bros. & Co.....9.13  
Loss of Hall Bros.....5.76  
Loss of J. E. Marshall.....11.25  
Loss of J. W. Margrave & Co.....13.50  
Cash transferred by Treas. J. G. Esler to Treas. A. M. Herr.....5203.60

\$5341.46 \$5341.46  
TREASURER'S STATEMENT, OCT. 20th, 1894, to AUG. 1st, 1895.

Received from J. G. Esler.....\$5203.60  
Received for re-insurance.....22.01  
Received for new insurance.....967.06  
Received for additional insurance.....308.77  
Received for interest on bonds.....151.25

DISBURSEMENTS.  
A. T. DeLaMare Prtg. & Pub. Co., 200 letter circulars.....\$ 6.72  
Loss of W. L. Morris.....235.56  
J. G. Esler, services as Treasurer.....20.00  
H. B. Beatty, membership in F. P. A.....5.00  
Hackensack Republican, env'types 100ville Twp. Road Bond, Reserve Fund investment.....500.00  
Albert M. Herr, transfer of books and sundries.....7.95  
Lancaster Trust Co., rent for safe deposit box.....5.00  
A. T. DeLaMare Prtg. & Pub. Co., 1,000 constitutions and 600 letter heads.....18.50  
Banking and Insurance Dept. of N. J., filing statement.....1.00  
100ville Twp. Road Bond, Reserve Fund investment.....508.00  
George S. Duryea, commissioner of insurance.....20.00  
Florists' Exchange, advertisements J. G. Esler, postage and sundries.....7.00  
A. T. DeLaMare Prtg. & Pub. Co., 2,000 circulars.....17.18  
Loss of C. W. Sherley.....6.50  
A. T. DeLaMare Prtg. & Pub. Co., 300 applications.....11.40  
Loss of J. H. Parker.....3.44  
Loss of John Ederer & Son.....60.61  
Loss of Mrs. S. E. Luther.....28.52  
Loss of M. J. Coventry & Son.....35.52  
Loss of N. S. Griffiths.....179.55  
Loss of Button Bros.....8.67  
Loss of Chas. Faust.....9.89  
Loss of Wm. Horlecker.....17.65  
A. T. DeLaMare Prtg. & Pub. Co., duplicate applications.....2.62  
Loss of John House.....59.16  
Loss of Lake Geneva Floral Co.....36.71  
Loss Chapin Bros.....50.88  
Market St. Prtg. House, env'types 4.25  
Loss of A. Donoghue.....39.09  
Loss of Salter Bros.....61.81  
Loss of Brown & Canfield.....15.00  
Hackensack Republican, env'types 3.50  
Loss of Mrs. Mary E. Eaton.....5.60  
J. M. Jordan, postage and sundries 11.25  
J. G. Esler, salary as secretary.....400.00  
Loss of South Side Floral Co.....14.91  
Albert M. Herr, salary as treasurer and postage.....81.65  
Loss of R. Davis & Son.....140.05  
J. M. Jordan, salary as president.....50.00  
Loss of Schmaiz & Huber.....4.28  
Florists' Exchange, advertising.....6.50

J. G. Esler, postage.....12.75  
Loss of Geo. W. Towbridge.....29.42  
Loss of Margaret F. Hopkins.....12.79  
Loss of Herbert E. Forbes.....45.63  
Loss of J. G. & A. Esler.....162.42  
Loss of Lake Geneva Floral Co.....15.64  
Total amount of re-insurance.....22.01  
Balance in bank.....3039.36

\$6352.69 \$6352.69

The Reserve Investments consist of:  
One 5 per cent Lake View Bond for.....\$ 500.00  
One 4 per cent City of Chicago Bond for.....500.00  
Two 5 per cent County of DuPage Bonds for \$500 each.....1000.00  
One 4 per cent Village of Evanston Bond for.....500.00  
One 8 per cent mortgage note of Isabell Pierce of Terre Haute, Ind.....500.00  
Two 5 per cent Orville Township Bonds (Road) of \$500 each.....1000.00

\$4000.00

There has been collected on above bonds \$50.00 interest since date of this report, and which was due Aug. 1st. There is also one year's interest due on mortgage note.

Signed, ALBERT M. HERR, Treasurer.

## CARNATIONS

Cut Blooms at Wholesale.

FIELD PLANTS AND ROOTED CUTTINGS IN SEASON.

C. J. PENNOCK,  
The Pines. KENNETT SQUARE, Chester Co., PA.  
Mention American Florist

## THE COTTAGE GARDENS,

Queens, Long Island, N. Y.

## WHOLESALE CARNATIONS.

CARNATIONS,  
BOUVARDIAS,

STRONG FIELD-GROWN PLANTS.

Very low prices on application.

VICK & HILL, Rochester, N. Y.

## CARNATIONS.

We will have a fine lot to offer for last of August and September delivery, clean, fine healthy plants.

400 EMILY PIERSON, best commercial red.  
1000 DAYBREAKS,  
1500 SCOTTS,  
1000 SILVER SPRAY.

Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

Fred. Dorner & Son,  
LA FAYETTE, IND.

## NEW CARNATIONS.

ALEX. McBRIDE,

## Carnation Grower

ALPLAUS, N. Y.

Fisher & Aird, ELLIS,  
MASS.

NEW AND TESTED

## CARNATIONS.

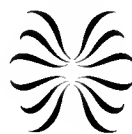
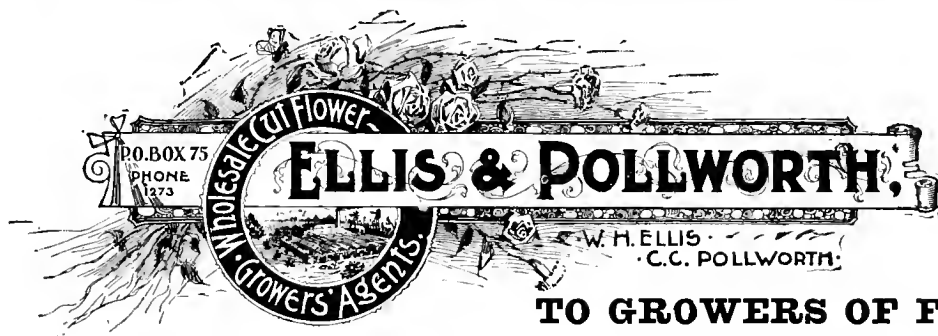
## 40,000 FIELD-GROWN CARNATIONS!

ALL THE BEST VARIETIES.

Standard Sorts, \$5.00 to \$10.00 'per 100.

SEND FOR PRICES.

GEO. HANCOCK & SON,  
GRAND HAVEN, MICH.



TO GROWERS OF FIRST CLASS

# CUT FLOWERS

We want your consignments, and promise you every inducement in the way of satisfactory returns.

PROMPT REPORTS, WITH CHECK EVERY WEEK.

TO BUYERS OF  
FIRST CLASS

## CUT FLOWERS,

We want your trade, and offer you every inducement in the way of **Fair Prices,**  
**Carefully Handled Stock, Well Packed, Delivered on Time.**

STORE OPEN TILL 8 P. M. SUNDAYS 11 A. M.

## ELLIS & POLLWORTH,

Box 75.  
Phone 1273.

137 Oneida Street, MILWAUKEE, WIS.

# ELLIOTT'S



## ASPARAGUS

## PLUMOSUS

## NANUS.

**THE FINEST DECORATIVE MATERIAL GROWN. GRACEFUL,  
DURABLE AND APPROPRIATE.**

This stock is grown to perfection in extensive houses specially constructed for this purpose, and can be shipped long distances without injury.

Price per String, 8 to 10 feet long, 50 Cents.

WM. H. ELLIOTT, Brighton, Mass.

**THE AMERICAN FLORIST**

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.

The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to se-  
cure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Rochester, N. Y.

Trade in cut flowers for the past week was fairly good for the middle of August, though the bulk of business done consisted largely of funeral work, and the scarcity of good roses was felt everywhere. There is at present a rather large supply of out door flowers, more than enough to meet all demands, but first-class roses come in too slow. Sweet peas are getting short stemmed and do not sell well in that shape.

The terrific electric storm, which visited this vicinity last Saturday and lasted all night, spoiled the pea crop for a few days entirely, but now the moist and cool weather will help them along, so that the stems and flowers both will come out in better shape. The storm was very severe, accompanied by a high wind and hail in some sections, but little glass was broken, though asters, gladiolus, dahlias, etc., were badly beaten to the ground, and their flowers so much soiled that they are of no use. Carnations and other stock, planted on hillsides and slopes were washed away and are beyond recovery. The rain came down in torrents all night, filling cellars and stokeyholes full of water, and in some places the walks in green-houses were flooded a foot or more. Frames of violets in low places were completely covered over with mud and slush, washed there by the water, and are a total loss to the owners. The immense amount of damage done by the water will be felt by many of us when we want to plant our carnations in the houses.

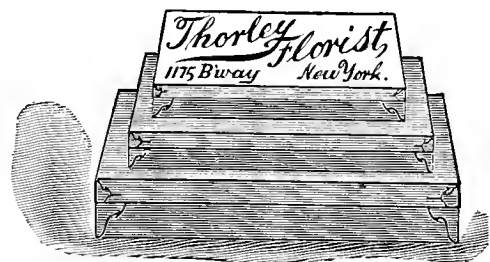
At W. Salmon's they have another house 100 feet long for roses about finished; although young in business Mr. Salmon is very successful with roses and violets especially, and his houses look clean and tidy at all times.

At Vick & Hill's they have a hardy rambling, climbing rose, a sport from the polyantha Paquerette, which blooms in immense clusters, and as it is a much faster grower than the so called Crimson Rambler, they think they have a first-class white Rambler and will propagate it largely. They also have a hardy ever-lasting pea of a very soft flesh-pink color, which surely is a fine novelty, but it takes time to propagate this class of plants.

We had Mr. J. E. Anthony of Watkins, N. Y., famous as fern and stove plant grower, in town one day last week, also Mr. R. Bard from Quinlan's, Syracuse, N. Y., who was the guest of Mr. Geo. Savage for a few days. J. B. K.

Catalogues Received.

Holt Heating Co., Boston, Mass., heat ing apparatus; E. H. Krelage & Son Haarlem, Holland, autumn list bulbs; Haage & Schmidt, Erfurt, Germany, flower bulbs and roots; W. A. Manda,



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**

NEW YORK SALESROOM: 132 & 134 Franklin Street. 315--325 Congress Ave., NEW HAVEN, CONN.

When writing mention the American Florist.



**Hardy Cut Ferns,**  
**BOUQUET GREEN,**  
Laurel and Green Festooning, Wreaths, Etc.  
SPHAGNUM MOSS IN ANY QUANTITY.  
**H. E. HARTFORD, 18 Chapman Place, BOSTON.**

South Orange, N. J., bulbs, seeds and plants; American Boiler Co., Chicago, heaters; D. B. Long, Buffalo, N. Y., smilax plants; Vilmorin-Andrieux & Cie, Paris, France, bulbs, tubers and flower seeds.

**A Retail Wail.**

The melancholy days have come,  
The saddest of the year;  
When flowers are worthless, poor and small  
And profits disappear.

I stand and view my ice box o'er  
My floral guns revealing—  
Alas! their rusty charms much more  
Require adept concealing.

Society has skipped the town  
And sought wild Nature's borders;  
My soul and body are maintained  
Alone by funeral orders.

All up and down deserted streets  
Thy eye seeks sweet content.  
Where shall I raise the wherewithal  
To meet the monthly rent?

Asters are chewed up by the bugs,  
And mildewed are the roses;  
The people all refuse sweet peas  
And scorn my other posies.

Return! Return! Ye winter days!  
In pity quickly come!  
Once more we fain would welcome back  
The bold chrysanthemum.

Come back! Come back! No more delay!  
In vain I wildly cry,  
Alack! Alas! Oh, dreadful fear,  
They're gone for e'er and aye!

And so in gloom doth fade the day,  
The whole world lacketh light  
And all my soul is given up  
To realms of blackest night.

A.

CUTHBERT, GA.—The Georgia State Hort. Society held its annual meeting here August 2 and 3.

NEW ORLEANS, LA.—A horse and wagon belonging to J. H. Menard was recently stolen, but the property was afterwards recovered.

ATTICA, N. Y.—Chas. Stroh has purchased the greenhouse establishment lately owned by Fred Schneider.


SPRINGFIELD, MO.—The Williamson Floral Co. is about to erect a range of houses corner of Campbell and Brower streets.

FLATBUSH, N. Y.—The estate of the late G. Bergman has been sold to Chas. Traut, who has been foreman on the place for the last two years. Mr. Traut will continue the business on the same lines as before. He has a fine lot of cyclamens coming on now.

**"The National"**

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flow-ers fresh, and the box holding its shape.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.



**Hardy Cut Ferns,**  
**BOUQUET GREEN,**  
Laurel and Green Festooning, Wreaths, Etc.  
SPHAGNUM MOSS IN ANY QUANTITY.  
**H. E. HARTFORD, 18 Chapman Place, BOSTON.**

**THE NEW YORK CUT FLOWER CO.**

The above company, composed of the leading growers in the vicinity of New York, are now prepared to arrange for selling Cut Flowers of every class on the co-operative plan, and invite all growers to join us; guaranteeing them the best prices obtainable according to the market rates, and full returns for the same weekly.

**OUR MOTTO: Fair Dealings, Open Books and Prompt Payments.**

**PROFITS DIVIDED PRO-RATA.**

ERNST ASMUS,	President.	Ernst Asmus,
JOHN N. MAY,	Vice-Prest.	Engene Dailliedouze,
PAUL M. PIERSON,	Sec'y & Treas.	Geo. W. Hiltman, Jr.,
		John N. May,
		Frank McMahon,
		Louis M. Noe,
		S. C. Nash,
		Paul M. Pierson,
		Geo. Saltford,
		John H. Taylor,
		C. W. Ward,

Directors.

Mention American Florist

**W. ELLISON,**  
**WHOLESALE**  
**Cut Flowers & Florists' Supplies**  
**WIRE DESIGNS.**  
**1402 PINE STREET,**  
**St. Louis, Mo.**

**C. A. KUEHN,**  
(Successor to ELLISON & KUEHN.)  
**Wholesale Florist,**  
**1122 PINE STREET,**  
**ST. LOUIS, MO.**  
A complete line of Wire Designs.

**H. L. SUNDERBRUCH,**  
**Wholesale Florist**  
**4TH AND WALNUT STREETS,**  
**Cincinnati, O.**

**SAMUEL S. PENNOCK,**  
**Wholesale Florist**  
**REAR OF 42 S. 16th STREET,**  
**Philadelphia, Pa.**

**E. H. HUNT,**  
**WHOLESALE FLORIST**  
 68 Lake Street, CHICAGO.  
**WHOLESALE CUT FLOWERS.**  
**SEEDS, BULBS AND ALL**  
**FLORISTS' SUPPLIES.**

During July and August our store will not  
 be open after 6 p. m.

**KENNICOTT BROS. CO.**  
**WHOLESALE CUT FLOWERS,**  
 and **FLORISTS' SUPPLIES.**  
 34 & 36 RANDOLPH STREET,  
 CHICAGO.

**T. J. CORBREY,**  
**Wholesale Commission Florist,**  
 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and  
 delivered on time, send me your orders and you will  
 get what you want.

We are now prepared to furnish Florists' Wire  
 Designs and a full line of Florists' Supplies.

WRITE US FOR OUR ILLUSTRATED CATALOGUE.

**Bassett & Washburn,**  
 Successors to J. B. DEAMUD & CO.  
**GROWERS and**  
**WHOLESALE CUT FLOWERS,**  
**DEALERS in**  
 34 & 36 Randolph Street,  
 CHICAGO.  
 Corner Wabash Ave.  
 HEADQUARTERS FOR AMERICAN BEAUTIES.

**A. L. RANDALL,**  
**Wholesale Florist,**  
 126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers

**Reinberg Bros.**  
**WHOLESALE CUT FLOWERS,**  
 51 WABASH AVENUE,  
 Telephone Main 4937, CHICAGO.  
 Our Roses best them all, in quality.  
 Headquarters for fine American Beauties.

**W. E. LYNCH,**  
**WHOLESALE CUT FLOWERS,**  
*Wire Designs a Specialty.*  
 59 WABASH AVENUE,  
 CHICAGO.

**ROGERS PARK FLORAL CO.,**  
*Wholesale Growers of*  
**CUT FLOWERS,**  
 41 WABASH AVENUE,  
 CHICAGO.

We are prepared to fill your orders with first-class  
 flowers. Give us a trial order.

**Asparagus Plumosus Nanus.**  
 Cut Strings, 8 to 10 feet long,  
 50 CENTS.  
 W. H. ELLIOTT, Brighton, Mass.

## Wholesale Markets.

### Cut Flowers.

	NEW YORK	AUG. 20.
Roses, general list.....	1.00@3.00	
" Beauty.....	5.00@10.00	
" Beauty extra.....	5.00@16.00	
" ordinary.....	1.00@5.00	
Carnations, ordinary.....	10@.35	
extra.....	50@1.00	
Valley.....	2.00@4.00	
Sweet peas, per 100 bunches.....	50	
Auratum lilies.....	3.00	
".....	20@.25	
Gladolus.....	50@2.00	
Smilax.....	8.00@10.00	
Adiantum.....	.75@1.00	
Asparagus.....	50.00	
	BOSTON,	AUG. 20.
Roses, general list.....	1.00@4.00	
" Beauty.....	5.00@25.00	
Carnations.....	25@.50	
extra.....	.75@1.50	
Asters.....	15@.25	
Valley.....	2.00@4.00	
Sweet peas.....	10@.15	
Lilies, white Japan.....	1.00@2.00	
Gladolus.....	1.00@2.00	
Adiantum.....	.75@1.00	
Smilax.....	12.00@15.00	
Asparagus.....	50.00	
	PHILADELPHIA,	AUG. 20.
Roses.....	1.00@4.00	
" Beauties.....	15.00	
Carnations.....	25@1.00	
short outdoor white.....	.50	
Asparagus.....	35.00@50.00	
Valley.....	3.00	
Cattleyas.....	25.00@35.00	
Sweet peas.....	25	
Smilax.....	15.00@25.00	
	CHICAGO,	AUG. 22.
Roses, Beauties long.....	15.00	
" short medium.....	2.00@6.00	
" Large teas.....	1.00@2.00	
select.....	3.00	
Carnations, select.....	.50@.75	
field grown.....	.40@.50	
Gladolus.....	25@.35	
Asters.....	25@.35	
Sweet peas.....	8.00@10.00	
Smilax.....	8.00@10.00	

**GEORGE A. SUTHERLAND,**  
 Successor to PECK & SUTHERLAND,  
 Successors to WM. J. STEWART,  
**Cut Flowers and Florists' Supplies**  
**WHOLESALE.**  
 67 Bromfield St., BOSTON, MASS.  
 New England Agent for the GREAT ANTIPEST.

**WHOLESALE**  
**FLORISTS**  
 JOEBERS IN  
 FLORISTS'  
 SUPPLIES,  
 FLORISTS'  
 VASES.  
 METS,  
 BRIDES,  
 GONTIERS,  
 CARNATIONS,  
 ALWAYS ON HAND.  
 84 Hawley Street,  
 BOSTON, MASS.  
 HORTICULTURAL AUCTIONEERS.

**WELCH BROS.,**  
**Wholesale Florists,**  
 NO. 2 BEACON STREET,  
 NEAR Tremont St. BOSTON, MASS.

**The Boston Flower Market**  
 is prepared to purchase, on order, and  
 ship Trade orders for Cut Flowers at  
 prices ruling in the market on day of  
 Sale. TERMS STRICTLY CASH.  
 Address **GEORGE CARTWRIGHT, Mgr.,**  
 Flower Market, Park St., BOSTON, MASS.  
 Long Distance Telephone "Haymarket 638."

When you write to any of the ad-  
 vertisers in this paper please say that  
 you saw the advertisement in the  
 American Florist.

**John I. Raynor,**  
 49 WEST 28th STREET,  
**NEW YORK.**

**SPECIALTIES FOR SUMMER**  
**SHIPPING:**

**AM. BEAUTY,**  
**METEOR,**  
**VICTORIA,**  
**TESTOUT.**  
**SWEET PEAS. EXTRA SPECIAL.**

**THOS. YOUNG, Jr.**  
**Cut Flowers,**  
**WHOLESALE,**  
 43 W. 28th Street, NEW YORK.

**WALTER F. SHERIDAN,**  
**WHOLESALE**  
**FLORIST**  
 32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application

**Edward C. Horan,**  
 34 W. 29th Street, NEW YORK,  
**WHOLESALE • FLORIST.**

Careful Shipping to all parts of the country.  
 Price list on application.

**JAMES PURDY,**  
**WHOLESALE DEALER IN**  
**CUT • FLOWERS**  
 57 W. 30th St., NEW YORK.

**JOHN YOUNG,**  
**FINE ROSES**  
**WHOLESALE,**  
 51 West 28th St., NEW YORK.

**THEO. ROEHRS,**  
**WHOLESALE**  
**FLORIST**  
 111 WEST 30TH STREET,  
 Established 1879. NEW YORK CITY.

**JULIUS LANG,**  
 (Formerly with THEO. ROEHRS.)  
**Commission Dealer in Cut Flowers,**  
**WHOLESALE,**  
 53 West 30th St., NEW YORK CITY.

**Chrysanthemums.**  
 Choice varieties for planting,  
 \$2.50 and \$3.00 per hundred.  
**NATHAN SMITH & SON,**  
 Adrian, Mich.

# The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.  
S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-  
bers St., New York, Sec'y and Treas.

VISITED CHICAGO: A. H. Goodwin.

THE SWEET CORN crop in Nebraska is estimated at 75% of a full crop.

THE ONION SEED crop in California is not cleaning up quite so heavy as was expected.

VINE SEED crops generally are later than usual but so far shortage is not anticipated.

SWEET PEAS and some other seeds of new crop are already coming forward from California.

DANIEL DECOU, representing S. L. Allen of Philadelphia, has sailed for Europe. He will visit Ireland and the Blarney-stone.

BERMUDA LILIES to the extent of 700 cases or more are being shipped from that island direct to the London auction houses.

ONION SEED crops in California are reported further as likely to be sufficient for contracts with the possible exception of Red Wethersfield.

MR. S. B. DICKS of Cooper Taber & Co. is making his fall visit in the United States. He reports early beets and peas a short crop in England.

SWEET CORN, though hurt in Nebraska, was planted largely and a sufficiency for contracts is now expected, though some unfavorable reports are given, the result of hot winds.

The Wilson Greenhouses Leased.

The greenhouses connected with Samuel Wilson's big seed establishment at Mechanicsville have been leased by Harrold Otter of Doylestown, who entered Mr. Wilson's employ several years ago, and at once took entire charge of the greenhouses and the plant business, which became an important and lucrative part of the business under his efficient management. Mr. Otter will continue to supply Mr. Wilson's trade as heretofore.

LANSING, MICH.—Governor Rich has received from Secretary of War Lamont a letter inclosing documents whereby the National park at Mackinac island, together with the buildings and grounds in connection therewith, is formally transferred to the state of Michigan for state park purposes. The state commission recently appointed by the governor, of which ex-United Senator Thomas W. Ferry is president, will now proceed to appoint a superintendent and formulate regulations for the government of the state park.

doz. per 100  
CLEMATIS, large fl'g, best kinds, \$3.00 \$22.50  
PÆONIES, fine Ass't, named..... 1.25 8.00  
POET'S NARCISSUS, double  
white, large stock..... .75  
SMILAX, 2½' - in, fine plants..... 2.50  
DOWNING GOOSEBERRIES, best gro'n, 2.50  
F. A. BALLER, Bloomington, Ill.

SMILAX,  
3-inch pots \$3.00 and \$3.50 per 100  
PÆONIES, a fine ass't.  
Crimson, white, pink, etc. . \$9.00 per 100  
MC CREA & COLE, Battle Creek, Mich.

Crop 1895.

Ready Now.

## PANSY. BARNARD'S FLORIST MIXTURE.

A high class, up-to-date mixture that fills the bill "par excellence"—made up from leading colors, producing flowers of the most perfect type. It gives you pansies that sell.

Trade pkt. 25c, ½ oz. \$1.00, 1 oz. \$4.00, per oz. \$7.00.

Full assortment of separate colors ready now.

New crop of high grade Flower Seeds constantly arriving.

W. W. BARNARD & CO.  
186 E. Kinzie St., CHICAGO.

## PALM SEEDS

Just Arrived in Best Condition.

OREODXA REGIA, starting to ger- 100 1000  
minate. . . . . \$ .60 \$4.00  
PHOENIX CANARIENSIS . . . . . 50 3.00  
" TENUIS . . . . . 60 4.00  
BRAHEA FILIFERA, syn. Pritchardia filamen-  
tosa, \$1.00 per lb.; \$7.50 per 10 lbs.  
MUSA ENSETE . . \$1.00 per 100; 10.00 per 1000.

Chas. Schwake, 404 E. 34th St., New York.

We are now booking orders for all kinds of Palm Seeds. Send your list and we will quote you prices.

Mention American Florist.

## PALMS.

150,000 of all the leading va-  
rieties.

## FERNS.

50,000 of leading varieties.

Address GEORGE WITTBOLD,  
1708 N. Halsted St., CHICAGO.

## Blooming Swainsona.

Fine plants, 6-inch pots, 30c. each;  
\$3.00 per dozen. Also smaller  
sizes. . . . .

JOHN WELSH YOUNG,  
GERMANTOWN, PA.

M. KEPPLER,  
Dealer in J. M. THORBURN & CO.'S  
HIGH CLASS SEEDS AND BULBS.

Florists and Gardeners trade a Specialty.  
25 years' experience. 7 sorts Cyclamen Seeds. The  
best strain in the world. Send for prices.

METROPOLITAN P. O. East Williamsburg, L. I., N. Y.  
Mention American Florist

FOR SALE—Immediate delivery

CALLA LILY BULBS,  
GLADIOLUS Shakspeare BULBS,  
GLADIOLUS mixed BULBS,  
GUERNSEY LILY BULBS,  
BERMUDA BUTTERCUP OXALIS BULBS,  
CHINESE SACRED LILY BULBS,  
BERMUDA SPICE LILY (Improved Am.  
Johnson) BULBS,  
For prices, etc. ZEPHYRANTHUS ROSEA BULBS,  
write COOPERIA DRUMMONDI.

R. H. JAMES, Columbia Farm, St. Georges, Bermuda.

## THE BUSY CORNER.

"Watson's corner" at 43 North 10th St., Phila., last week was an exception to the usual summer dullness. There are still a few bags of that consignment of "Cocoa Nut fibre refuse" left. Apply at once if you wish to secure some of it. All orders filled strictly in rotation. Same price as advertised last week.

For this week I beg to announce another arrival of Bermuda stock, sound, well cured, and first-class in all respects. You all know the significance of

## "Early Bermuda Potatoes"

in the month of March or April? Apply the same to these Bulbs. We gain at least 3 months on the usual ripening time. Isolicit your orders for the following, notable not only for fine quality and earliness, but also for littleness of price. PER 100

CALLAS, 3 to 5-inch. . . . . \$ 5.00  
GLADIOLUS, white and light mixed 2.00  
" Shakspeare. . . . . 5.00  
FRESIA REFR. ALBA. . . . . 5.00  
CHINESE SACRED LILIES. . . . . 4.00  
MME. CROZY CANNAS, 1 to 3 eyes. 4.00  
BUTTERCUP OXALIS. . . . . 2.50  
AMARYLLIS JOHNSON. . . . . 1.00  
" EQUESTRE . . . . . 8.00  
" REGINA. . . . . 8.00

As the supply is limited the above offer is made subject to being unsold on receipt of order.

How about your Mushroom Spawu? and Clay's Fertilizer? and Flower Seeds? Time flies, as usual. You can't be too soon now.

G. C. WATSON,  
Wholesale Seedsman,

43 N. 10th St., PHILADELPHIA, PA.

## BULBS All kinds in Season

Per 100 1000  
HARRISII 5 to 7 in . . . \$3.00 \$25.00  
7 to 9 in . . . 5.50 50.00  
AND  
FREESIA Large size . . . . . 5.00  
Extra large size . . . . . 7.00

NOW Roman Hyacinths and  
READY. Dutch Bulbs will soon be in.

BROWN & CANFIELD, SPRINGFIELD,  
ILL.

Mention American Florist.

## SPECIALTIES

IN BEST VARIETIES.  
ROSES, from 3-inch pots.  
CARNATIONS, for fall delivery.  
CHRYSANTHEMUMS.  
SMILAX. VIOLETS.

Prices low. Send for list.  
WOOD BROTHERS, FISHKILL, N. Y.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.





A Troublesome Weed.

ED. AM. FLORIST:—Could you or your readers suggest a remedy to exterminate this weed, sample inclosed. I found it impossible to grub it out as the roots are very fine and go very deep, and every little joint left in the soil will grow again with renewed vigor. It is spreading rapidly and nothing I have tried will stop its advance. Would a strong solution of salt or lye kill it, or would this make the ground infertile? E. B. Illinois.

The plant in question is the common field bindweed (*Convolvulus arvensis*, L.). Prof E. C. Goff of the Wisconsin Experiment Station, in Bulletin No. 20, suggests for this plant the following: "It is a difficult plant to subdue where it has secured a foothold. Small patches may be killed out by persistent hoeing, but a field thoroughly infested will require the summer fallow." Michner in his little book, "Weed Exterminator," says: "Nothing short of actual eradication will destroy the roots. The only plausible method to accomplish this end is by suffocation. On the small scale by covering the plants with weeds or rubbish, and on the large scale by incessant stirring of the ground so as to effect the same purpose, always being very careful to keep the mischief in the narrowest possible circumscribed limits." C. H. THOMPSON. Missouri Botanical Garden, St. Louis.

Saginaw, Mich.

Mr. J. B. Goetz has added a 12x100 violet house to his plant. He has recently replaced his old boiler with one of a newer pattern and greater capacity, and has given all his houses a thorough overhauling, replacing and rearranging benches, putting in new floors, painting up walls, etc. Mr. Goetz's 20x175 rose house looks very fine and he seems to be especially proud of his Kaiserin and American Beauty.

Mr. Wm. Roethke is kept busy at reglazing some and repainting his entire plant.

Grohman Bros. are overhauling the greenhouses adjoining their down town store. New benches and floors are to take the place of the old ones. They have recently reglazed their houses, using Gasser's patent zinc points, of which they speak in the highest terms of praise.

X.

## 4000 Feet of GLASS

FOR SALE CHEAP.

We have 4000 feet of 8x10 inch glass, single thick, for sale. Price on application.

	Per 100
1500 LA FRANCE, 3-inch pots.....	\$5.00
300 BEAUTIES, 3-inch pots.....	6.00
200 METEORS, 3-inch pots.....	7.00

W. H. GULLETT & SONS,  
LINCOLN, ILL.

## Adiantum Farleyense Fern

3 inch, \$3.00 per doz.; \$20 per 100.  
4-inch, \$5.00 per doz.; \$40 per 100.

BAKER BROS.,

P. O. Box 72. KANSAS CITY, MO.

# EXTRA FINE ROSES.

Grown especially for late planting.

## SUPERB STOCK OF

5000 Meteor, the most profitable red.  
4000 Bride, still the finest white.  
5000 Bridesmaid, the incomparable pink.  
Kaiserin Augusta Victoria, Sunset.

THESE ARE EXCEPTIONALLY FINE HEALTHY STOCK. WRITE FOR SAMPLES AND LOW PRICES.

FINE STOCK  
PALMS,  
FICUS, ETC.

ROBERT CRAIG,

49th and Market St., PHILADELPHIA.

We have the largest stock in this country of THE WONDERFUL NEW ROSE

## CRIMSON RAMBLER.

There is nothing like it known to horticulture. Strong Plants from 2½-inch pots, ready now \$10.00 per 100; \$75.00 per 1,000. Plants for Fall delivery—Extra Selected, \$18 per p. r 100, \$150 per 1,000; lighter grade, \$14.00 per 100; \$120 per 1,000.

We are prepared to propagate to order during the winter almost any quantity of Crimson Ramblers at special contract rates.

The Finest Hardy White Rose yet introduced is it the ONLY white Rose COMBINING entire hardiness, Vigorous Growth, Repeated Blooming, Delicate Texture, Beautiful Form and Delightful Fragrance. Strong plants from 2½-in. pots, ready now, \$7.00 per 100; \$60.00 per 1,000. Field-grown Plants for fall delivery—Extra selected, \$12.00 per 100, \$100 per 1,000; lighter grade, \$9.00 per 100, \$70.00 per 1,000.

Send for Lithographs and Descriptive Circulars of the above. Also for our trade-list of general Nursery Stock. All sent free upon application.

MARGARET DICKSON.

JACKSON & PERKINS, Growers of Choice Specialties for NEWARK, N. Y. Nurserymen and Florists.

Mention American Florist.

## 10,000 First Quality Forcing Roses.

LA FRANCE  
WOOTTONS  
KAISERIN A. V.  
LA FRANCE  
BRIDES  
BON SILENE

MME. ROSE  
BON SILENE  
BRIDESMAID  
PERLES  
MERMETS  
SUNSETS

SAFRANO  
MERMETS  
4-in pots \$8.00 per 100

METEOR  
BRIDES  
4-in pots \$5.00 per 100

WOOTTONS  
KAISERIN A. V.  
3-in. pots, \$5.00 per 100

GONTIERS  
BRIDESMAID  
3-in. pots, \$5.00 per 100

J. L. DILLON, Bloomsburg, Pa.

## Special ROSES.

	Per 100
Am. Beauty, 2½-inch.....	\$ 7.00
Am. Beauty, extra, 4-in.....	15.00
Brides, 2½ inch.....	4.00
Bridesmaid, 2½ inch.....	4.00
Perles, 2½ inch.....	4.50
Meteors, 3½ inch.....	7.00
Souperis, 2½ inch.....	4.00

## FERNS for Florists,

5 good sorts 3.00

SELAGINELLA EMELIANA, 2½-in.... 5.00

We are Headquarters for  
ADIANTUM FARLEYENSE.

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NEW YORK: 26 Barclay St. CHICAGO: 84 & 86 Randolph St.  
Mention American Florist.

## A Color Chart

FOR FLORISTS.

140 Colors Named.  
Bound in very substantial manner.

This Chart, just issued for Printers' use, will be found especially useful for Florists. Publishers price \$2.00. Our Price \$1.25, postpaid.

A. BLANC,

314 & 316 N. 11th Street, PHILADELPHIA.

## American Beauty,

Prime stock, 4-inch.

Also Bridesmaid, Bride, Meteor, La France, Testout, Kaiserin, Perle, Sunset.

A. S. Mac BEAN, Lakewood, New Jersey.  
Mention American Florist.

## Roses

	From 2½-inch pots.	Per 100	Per 1000
Bride, Mermets, White La France.	\$3.00	\$25.00	
Watteville.	3.00	27.50	
Maman Cochet, Bridesmaid.	4.00	35.00	

THE NATIONAL PLANT CO.

DAYTON, O.

Mention American Florist.

## ROSE MME. GUSIN, PLANTS

in 2½ and 3½-inch, at

SUNNYWOODS GREENHOUSES.

FRANK L. MOORE,

CHATHAM, NEW JERSEY.

## LEMON OIL INSECTICIDE,

Used now by the leading Florists.

75c. per quart; \$1.25 per ½ gallon, \$2.00 per gallon; \$9.00 for 5 gallons.

HENRY F. MICHELL,  
SEEDSMAN.

1018 Market St., PHILADELPHIA.

# PANSIES

The Best from many Growers, not the Selection of one Grower only.

## Vaughan's International Mixture.

This mixture has been made up and sold by us for the past five years from the best strains known in Europe and America. We have in our files testimonials from leading florists in almost all the leading cities in the U. S. saying in effect "the best we ever had." Now if you would like to be convinced of this, drop us a line and we will send you the names of good men near you who will certify that Vaughan's International Mixture has proven with them to be the best, most complete all round high class Pansy Mixture they have ever grown. Our four page price list of these and other seeds, mailed on request. The new crop seed is now ready and can be sent at once. Trade pkt. 50c; 1-8 oz. \$1.50; oz. \$10.00.

### Giant Mixture.

For those who desire the largest flowers only, and are willing to accept a somewhat less variety in the way of coloring, our Giant Mixture has been especially put up. It contains only the largest flowers, and during the last two years we have greatly increased the number of sorts. See list below.

Price for Giant Pansy Mixture, trade pkt. 50c; 1-4 oz. \$1.50; 1 oz. \$5.00.

	Trade pkt.	Oz.
GIANT TRIMARDEAU, WHITE, large white with a violet center . . . . .	.25	\$5.00
GIANT BEACONSFIELD . . . . .	.25	5.00
GIANT TRIMARDEAU IMPROVED, this strain contains all the new colors . . . . .	.25	5.00
GIANT CASSIER, a very choice variety of colors . . . . .	.25	5.00
GIANT BUGNOT, the flowers are of enormous size, perfectly round, of great substance and the most varied and attractive markings and colors. Our "Bugnot" contains shades of red, bronze and reddish brown that are not to be found in any other mixture . . . . .	.25	6.00
GIANT AURICULA COLORS, very beautiful shadings . . . . .	.25	
GIANT YELLOW, Five-spotted, new . . . . .	.25	
GIANT HORTENSIA RED, new, same shade as a Hydrangea . . . . .	.50	
GIANT EMPEROR WILLIAM . . . . .	.25	5.00
GIANT STRIPED, flowers enormous size . . . . .	.25	
GIANT TRIMARDEAU, YELLOW, very showy color, good seller . . . . .	.25	5.00
GIANT TRIMARDEAU, PURPLE, very large . . . . .	.25	3.00
GIANT COAL BLACK, of immense size . . . . .	.25	4.50
GIANT COPPER-COLOR, a distinct combination of rich metallic shades . . . . .	.25	

### GIANT PARIS PANSY MIXTURE.

The flowers of this strain are as large as the Trimardeau and far superior in color and in substance of petals; having a stout and stiff flower stem; the flowers last longer and the plants are more compact. Oz. \$5.00; 1/4 oz. \$1.40; 1/8 oz. 75c; trade pkt. 25c.

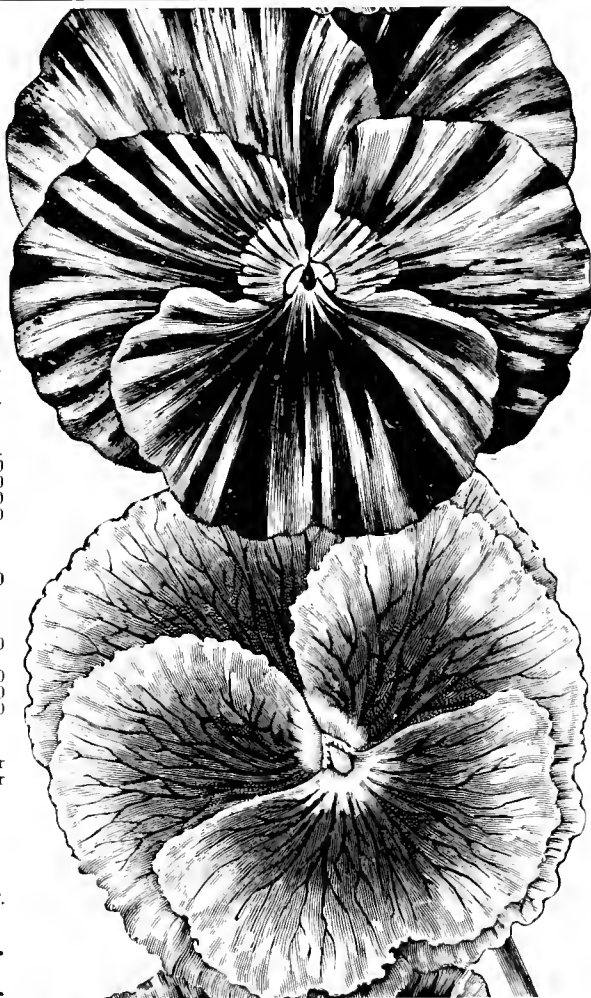
PREMIUM PANSIES, Mixed. Pkt. 25c; 1/4 oz. \$1.00; 1/2 oz. \$3.25; oz. \$6.00.

CHICAGO PARKS. Oz. \$1.00 1/4 oz. 30c; pkt. 10c; 4 oz. \$3.00.

CINERARIA. Columbian mixed, pkt. 1000 seeds, 50c.

CYCLAMEN. Giant varieties. 75 seeds, 50c.

PRIMULA. Vaughan's International, pkt. 250 seeds, 50c; 1000 seeds, \$1.25; 1-16 oz. \$2.



## VAUGHAN'S SEED STORE,

CHICAGO:  
84 & 86 Randolph St.  
NEW YORK:  
26 Barclay Street.

## PANSY SEED.

New Crop just arrived.

GIANT PRIZE PANSY, most brilliant mixture ever sold, containing the finest varieties in splendid colors and excellent size. Highly appreciated by all who have tried it.

1-4 oz. \$1.50. 1 oz. \$5.00.

FLORIST'S MIXTURE A No. 1, very fine mixture of large flowering varieties and choice colors, especially selected for florists' use.

1-4 oz. \$1.00. 1 oz. \$3.00.

Our Pansy Seeds have been personally examined in Germany.

Write for pamphlet about "LYSOL" the Ideal In-ecticide.

### HERRMANN'S SEED STORE,

413 E. 34th St., (near L. I. Ferry), NEW YORK.

## PANSY SEED

THE JENNINGS STRAIN OF LARGE FLOWERING AND FANCY PANSY SEED.

New crop now ready. The finest American strain is what every florist wants.

Very finest mixed, all colors, per ounce \$6.00; pkt. 250 seeds, \$1.00.

The Jennings XX strain, \$8 per ounce; pkt. \$1.00.

Victoria, bright red. . . . . pkt. 1.00.

Pure white. . . . . pkt. 1.00.

Finest yellow. . . . . pkt. 1.10.

Dr. Faust, black. . . . . pkt. 1.00.

Dark Blue. . . . . pkt. .50.

The above all my own growth of 1895 from extra selected stock. 1/4 pkts. of any the above, 50 cts.

E. B. JENNINGS, Wholesale Pansy Grower,

Lock Box 254. SOUTHPORT, CONN.

## SEED WORTH SOWING and PANSIES WORTH GROWING.

Tested seed (fall 1894) acknowledged as unsurpassed in the market. 3-16 oz. for \$1.00, or 1 oz. for \$4.00.

PLANTS ready now at \$4.00 per 1000, or \$2.50 per 500.

CASH WITH ORDER.

### C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

## ZINGIEBEL'S GIANT PANSIES

"Huge jewels of velvet and gold."—Boston Transcript.

are the finest strains up to date, either here or abroad. Our seed this season is from extra quality flowers, superb coloring and largest size.

THE GIANT FANCY STRAIN, in trade packages of 500 seeds, at \$1.00.

And THE GIANT MARKET, 2000 seeds, for \$1.00 also.

Seeds tested and Satisfaction Guaranteed.

Plants of the above strains for sale at the same rate as the more common varieties. Giant Market, \$5.00 per 1000; Giant Fancy, \$10.00.

With our new system of packing plants can be sent any distance.

PLANTS FOR SALE AFTER AUGUST 1ST.

DENYS ZIRNGIEBEL, Needham, Mass.

## Herr's Pansies.

Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

L. B. 496.

ALBERT M. HERR, Lancaster, Pa.

## Roemer's Superb Prize Pansies.

The finest strain of Pansies in the World.

Introducer and Grower of all the leading Novelties.

Catalogue free on application.  
FRED ROEMER, SEED GROWER,  
Quedlinburg, Germany.

Mention American Florist.

## SMILAX PLANTS.

Field-grown, very large and stocky. \$25.00 per 100.

Sample by mail fee. Cash with order.

J. H. DANN & SON, Westfield, N. Y.

Mention American Florist.

## Michel Plant and Bulb Co., WHOLESALE FLORISTS.

ST. LOUIS, MO.

## PRIMROSES.

Chinese primroses of the finest strains in cultivation. Flowers large fringed, brilliant colors, twelve sorts. Plants stocky; thrifty, early blooming, ready for three inch pots.

Price for the single flowering, per hundred, \$2.50

" " " " thousand, 20.00

" " double " " hundred, 5.00

Address order and remittance (or may be sent C. O. D.)

HENRY S. RUPP & SONS, Shiremanstown, Pa.

Toronto.

By the time these notes are printed the S. A. F. convention for 1895 will be a thing of the past. And this city was not in it. I have only heard of one gentleman who plucked up courage to undertake the long and dangerous journey. Well! perhaps we may get the convention here again some time in the course of the next century or two, when by making a big effort we might manage to attend if we are not a thing of the past too.

Next week the Industrial Exhibition will open, and intending exhibitors of plants are making preliminary preparations with a view to raking in all the "firsts." The horticultural display promises to be as good as usual, cut flowers perhaps a little better.

After this our own pet chrysanthemum show will come to the fore. At present the plants in various places are looking very fine and healthy. All the latest novelties are being grown. According to the prize list no plants are to be exhibited in larger than 8-inch pots, with the exception of one section, which calls for one specimen any sort, any sized pot.

The weather here has been fair and mild with occasional showers, just what is wanted to promote the welfare of gardens. Trade, next door to nil. E.

London, Ont.

Gammage & Sons have just completed building three additional houses, one 18x175 for roses, one 11x100 for plants, and one 10x60 for smilax. What impressed me mostly at this place is the perfect state of order that obtains in every nook and corner throughout the establishment. Their three 20x100 houses of carnations, chiefly McGowan and Day-break, look remarkably fine. Nor are they less successful with their three 18x100 rose houses. Mr. Gammage is especially proud of his Kaiserin, which in his estimation, is the "coming rose." Mr. Gammage reports trade during the past season was remarkably good, the sales of plants especially having surpassed the most sanguine expectations.

Mr. C. M. Greenway, who has succeeded his late brother, W. S. Greenway, has added a carnation house 24x75 to his plant.

Mr. E. M. Meredith has built a 20x125 house for roses, one 20x56 for palms and a violet pit 100 feet long.

Mr. Ed. West gave his Dundas street store a thorough overhauling, a new floor, new show cases and a conservatory in the rear being the chief features of improvement.

Gammage & Sons have added incandescent lights, a silver bordered ceiling and mirrored walls to the numerous other improvements on their store. Taking all in all their store is decidedly one of the finest to be found in the province of Ontario. One of the most elaborate designs that had ever been seen in this city was recently put up by this firm. It was a standing cross, 6 feet high, made of the choicest roses, carnations, lily of the valley and maidenhair ferns. X.

**TO BE SOLD AT ONCE**  
 5000 SELAGINELLA EMILIANA,  
 2-inch pots, ready for use or shift. Best plant  
 for fern dishes, \$3 per 100; \$25 per 1000.  
**SIEBRECHT & WADLEY,**  
 Mention Am. Florist. New Rochelle, N. Y.  
 Mention American Florist.

CUT FLOWERS

# REINBERG BROTHERS.

HEADQUARTERS

— FOR —

## AMERICAN BEAUTIES,

And all kinds of choice, select stock.

..... FINE CARNATIONS—UNEXCELLED.

51 Wabash Avenue,

CHICAGO.

A TRIAL ORDER Solicited.

HIGHEST CLASS GOODS AT LOWEST PRICES.

Carefully packed to ship to any part of the country. No charge for P. and D.

OUR SPECIALTY: FIRST-CLASS ROSES FOR THE SUMMER SEASON.

On September 5th we will begin filling this season's orders for

## RISLEY FLATS SMILAX PLANTS.

Sample plants can now be had on application by enclosing 10c. in postage stamps. Circulars free.

ADDRESS THE INTRODUCER.

**DAN'L B. LONG, Wholesale Florist,  
 BUFFALO, N. Y.**

### FINE ROSES,

including La France, Papa Gontiers, Mermets, Brides, Bridesmaids, etc. from 3½-in. pots, at \$5 per 100.

### SMILAX,

from 3-inch pots, at \$3.00 per 100.

### FINE FERNS,

Pteris, Adiantum, etc., at \$3.00 per 100.

**JAMES HORAN & SON,  
 BRIDGEPORT, CONN.**

**Pitcher & Manda, Inc.**

LOW PRICES.

**PALMS, FERNS and ORCHIDS**

Specialties.

SHORT HILLS, NEW JERSEY.

### VIOLETS.

**MARIE LOUISE AND SWANLEY WHITE.**

Fine stock, strong healthy plants.

MARIE LOUISE, per 100 . . . . . \$ 9.00  
 per 1000 . . . . . 75.00  
 500 at 1000 rate.

SWANLEY WHITE, per 100 . . . . . \$ 7.50  
 per 1000 . . . . . 60.00  
 500 at 1000 rate.

ADDRESS **O. R. Knapp,**  
 NEW HAMBURGH, N. Y.  
 Dutchess County. P. O. Box 62.

**E. G. HILL & CO.,  
 Wholesale Florists  
 RICHMOND, INDIANA.**



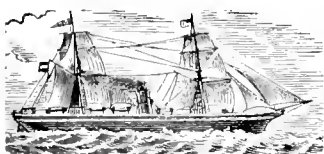
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The only Certificate of  
merit awarded  
for

Florists' Supplies

—AT THE—

## Pittsburg Convention



MORE GOODS ON THE  
WAY.

### Bayersdorfer.

#### CAPE FLOWERS

Stock enormous and quality unapproachable.

#### CYCAS LEAVES

Natural preserved, warranted not to fade.

#### CELLULOID BASKETS

New Parisian Shapes and Novelties.

#### FLAT DISHES AND PLATEAUS

Standard sizes, freshly imported goods.

#### FANCY POT COVERS AND BASKETS

In ordering specify same size as flower pot to  
be covered.

## BAYERSDORFER'S

#### METAL AND PORCELAIN FLOWERS

The highest grade goods, new combinations.

#### DRIED MOSS WREATHS

For Christmas, enough to supply the whole U. S.

#### WHEAT SHEAVES

In high quality and low prices we are still in the  
lead.

#### SHEAF AND SCYTHE

A new funeral design, ask to see it.

#### SATISFACTION GUARANTEED

If goods are not as represented they may be re-  
turned and money will be refunded for goods  
sent C. O. D.

**H. Bayersdorfer & Co.,** Mfrs. and Importers of  
FLORISTS' SUPPLIES

56 North 4th Street, PHILADELPHIA, PA.



St. Louis.

The cut flower trade is just existing, that is all at present. Nothing has happened during the past week to disturb the deep midsummer quiet. The florists' windows are stocked up with gladiolus, single tuberosa stalks, cannas and hardy hydrangea bloom. Prices have not changed from last week.

Mr. and Mrs. Fred C. Weber left for the east Sunday afternoon; they will return September 1. Mr. Eugene Michel is also a visitor in the east.

Superintendent of parks Wm. Pape reports that he is overrun with men looking for work; all the places have been filled and he has none to give.

George Angermuller, with C. A. Kuehn, Harry Young, Wm. Lingenbrink, Harry Trucsdale of T. Mount & Co., Chas. Young, Chas. Schone of Ayers Floral Co., A. Y. Ellison and Wm. Hucks of Belleville, Ill. are the florist who have the bicycle craze in St. Louis.

I am sorry St. Louis had such a poor representation at the convention, but we hope to make it up next year.

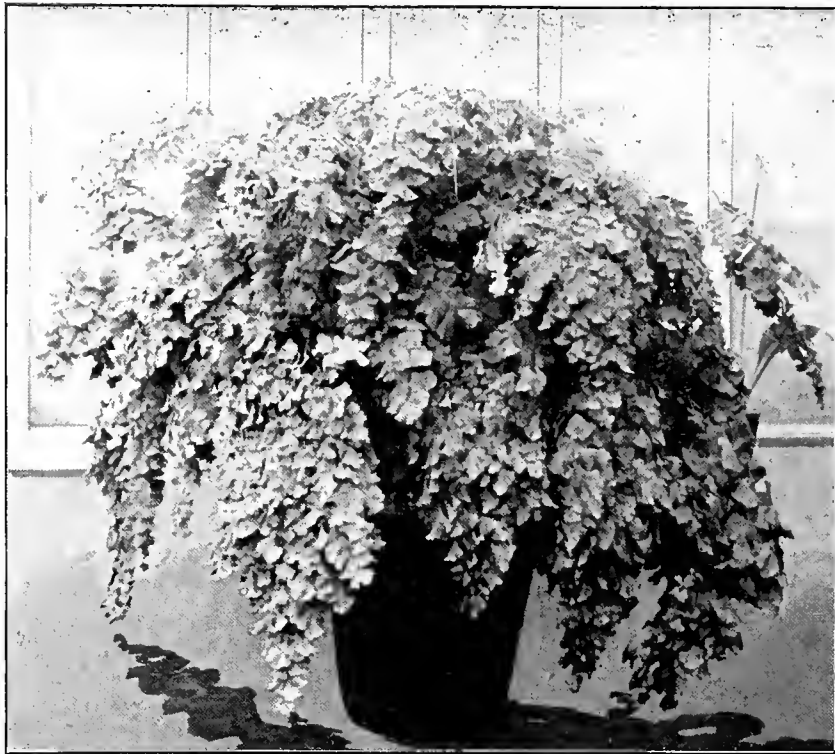
The meeting of the Bowling Club was held Wednesday, August 14, with President Harry Young in the chair; four medals have been bought by the club, two of them have been won by C. A. Kuehn and one by J. J. Beneke. The other is the property of the club until some one wins it three times. To hold this the winner must win it three times in one year. The election of officers took place and Mr. Kuehn was elected president, J. J. Beneke secretary and John Young treasurer for one year. The club then started in to roll a new series between the Japs and Chinese. J. J. Beneke is captain of the Japs and C. A. Kuehn captain of the Chinese. After three games had been rolled the Japs won two out of three. The score was Japs 1810, Chinese 1767, four men to a side. Here are the averages, totals and highest scores made in the last 168 games by those who have rolled 75 games and over:

Names.	Number of games rolled	Total.	Averages.	Highest single score.
R. Beyer	114	20,701	181	262
C. A. Kuehn	168	29,737	177	253
J. J. Beneke	162	28,806	177	257
C. Beyer	125	21,159	169	269
C. C. Sanders	123	20,457	166	244
Emil Schray	132	21,712	164	266
J. W. Kunz	96	15,226	158	211
H. Young	123	19,482	158	267
J. Young	146	22,871	156	232
D. Helwig	104	16,781	155	227
F. C. Weber	87	12,978	149	230
A. Waldbart	85	12,606	148	211
F. Fillmore	138	17,791	128	205
J. J. B.				

**JOHN N. MAY,**  
WHOLESALE GROWER OF  
**Roses & Chrysanthemums**  
All of which are now ready.  
SUMMIT, NEW JERSEY.

**CHRYSANTHEMUMS.**  
2½-inch Mrs. Jerome Jones, The Queen, Ivory, \$2.50. 3-inch Mrs. Jerome Jones, The Queen, Mrs. Robt. Craig, G. W. Childs, Gogucac, and W. H. Lincoln, \$3.00 per 100.  
**ROSES**—3-inch, good clean stock: 800 Brides, 300 Bridesmaids, \$5.00 per 100. 350 Perles, 3-inch, \$6.00  
**POEHLMANN BROS., Morton Grove, Ill.**

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.



# Adiantum Farleyense

## ONE OF OUR SPECIALTIES.

4-inch pot plants, extra fine.....	\$50.00 per 100
5-inch " " .....	12 00 per doz.
6-inch " " .....	18.00 per doz.

**CASH WITH ORDER.**

MONEY ORDER OFFICE:  
STATION H, PHILA.

**EDWIN LONSDALE,**  
**WYNDMOOR,**  
Near Chestnut Hill, **PHILADELPHIA.**

# GANNA \* COLUMBIA.

Order direct from  
the Originators,  
**I. N. Kramer  
& Son,**  
Cedar Rapids, Ia.

Send for Price List.

*Wisconsin Flower Exchange,*  
**Flowers, Palms, Ferns.**  
See our September quotations on  
Cyclamen, Field-Grown Carnations, Roses,  
Violets, Smilax, Callas,  
and other seasonable stock.  
Box 81. **MILWAUKEE, WIS.**

# Fenster Pappe.

Best substitute for glass largely used by  
European **FLORISTS, NURSERYMEN and MAR-  
KET GARDENERS.** Directions with each roll.  
Trial rolls of 8 yards for \$1 00. Original rolls  
of 110 yards for \$10.00 net cash.

**August Rolker & Sons, New York.**  
P. O. Station E.

# SAMPLE BLOOMS.

25 of our extra new double  
Petunias will be sent free  
to any florist that will pay  
the express charges on  
them.

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Primroses, single flowering.....	\$2.25	\$20.00
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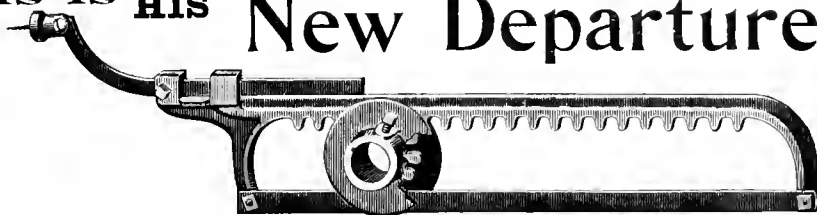
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2-inch pots ..... \$5.00 per 100  
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Also 5000 SMILAX, 2½-inch pots, at \$2.00 per 100,  
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And see the invention  
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His Hinges for Sash  
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For it never will pull out a screw.

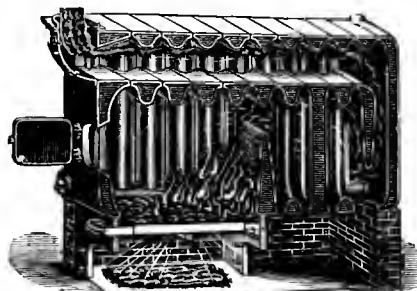
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It is the CHEAPEST and BEST appliance ever put on the market. Send for a Catalogue and get a new idea on Greenhouse Construction.

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## THIS IT THE AMERICAN CHAMPION WATER HEATER

FOR GREENHOUSE HEATING BY HOT WATER SYSTEM.

It is made by a FLORIST especially for Florists' use. It can be enlarged at any time more heat is needed, and it burns soft coal without clogging.

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Send for Catalogue and get a description of our NEW GREENHOUSE SASH HINGE.

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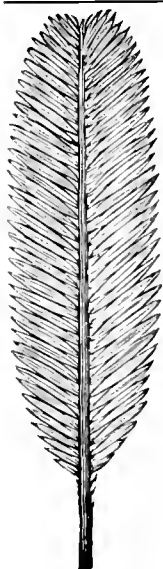
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### Cycas Leaves.

OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

40c, 45c, 50c, 60c,  
75c and \$1 each.

Address

August Rolker & Sons,  
Florists' Seeds, Bulbs & Supplies  
136 & 138 W. 24th St.,  
P. O. Station E. New York.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

### BOSTON FLORIST LETTER CO.,

13 Green Street, BOSTON, MASS.  
Address all correspondence to 1 Music Hall Place.

Manufacture THE BEST LETTERS IN THE MARKET.

Sizes 1½-inch and 2-inch, \$2.00 per 100. Patent fastener with each letter.

With orders for 500 letters we give away a nicely stained and varnished box. See cut in next week's American Florist.

Our letter is handled by all the wholesalers in Boston.

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### John Conley & Son, Manufacturers of TIN FOIL

2 AND 4 DOMINICK STREET,

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WISCONSIN FLOWER EXCHANGE,

### Wire Work.

Well made. Prices reasonable. Also TIN FOIL, PICKS and WIRE. Our simple contrivance for holding bunches of flowers is convenient.

Box 87,

MILWAUKEE, WIS.

Mention the American Florist when writing to advertisers on this page.

## Milwaukee.

The Milwaukee Florists' Club, also its several members individually, have given up their project of having a chrysanthemum show next November. The Wisconsin Flower Exchange will conduct one on its own responsibility which will enable every one to make good use of the preparations they have made on the strength of the club's assurances, which have been abandoned at so late a date. The premium list will be revised somewhat, but the changes will not be so radical as to exclude any material which may have been prepared to meet the requirements of the one issued by the club. There will be a few new departures from the ordinary flower show; it will be run with the express purpose of advertising and promoting the interests of the retail florists, presenting their ability to the public in as attractive a manner as possible. The premium list will be ready shortly.

There is considerable activity among greenhouse owners in fixing up their houses; most every one is making some improvement. Mr. Freytag has erected a large and beautiful residence. Messrs. Zipnick, Foster, and Schmeling have each increased their boiler capacity. Most every one is calculating on a crop of *Harrisii* for Christmas. Three years ago very few thought of such a thing. Comparatively few around Milwaukee appear to appreciate the true value of longiflorum for spring flowering. The demand for good sweet peas is beyond the supply, while *gladiolus* sells slow. The supply of roses increases, but the demand has kept pace.

Recent visitors were Mr. Vaughan, of Chicago, V. Wayman of Madison, Adam Zender, John Muno, and Peter Reinberg, Rogers Park, Misses Hodson and Long of Janesville. Z.

VIRDEN, MANITOBA.—J. M. Hazlewood is enlarging his greenhouses here.

KANSAS CITY, MO.—The Chick-Pratt Floral Co. has filed articles of incorporation here, with a capital stock of \$2,500.

## TO TAKE PLACE OF WIND MILLS

## HOT AIR PUMPING ENGINES

### A Windmill!

Is unreliable because it depends upon the element for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

### DE LAMATER-RIDER OR DE LAMATER-ERICSSON Hot-Air

### Pumping Engines

are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable, require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

Send for illustrated catalogue to  
THE DE LAMATER IRON WORKS,  
467 West Broadway,  
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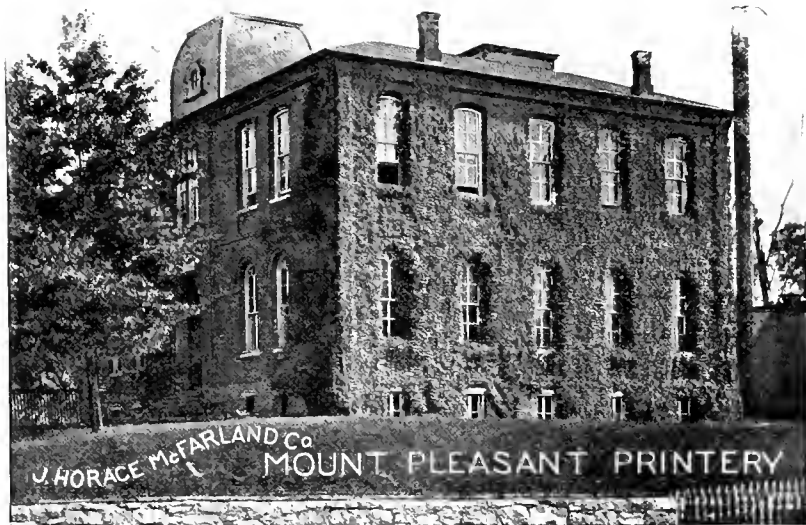
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## TOBACCO DUST.

Per 10 lbs 50c; 25 lbs \$1.00;  
50 lbs \$1.50; 100 lbs \$2.50.  
Extra fine, per 100 lbs. \$5.  
Sample FREE.

Vaughan's Seed Store, Chicago.

Mention American Florist.



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We make high grade Catalogues (write, illustrate and print them), Fine Stationery, Tags, Shipping Labels, Order Blanks and Blank Books—in fact, anything that a first-class printing establishment can turn out, including Designing and Engraving. We have no competitors as to **quality**. Beware of the printer who has no other inducements to offer than a **low price**. He will give you a Catalogue which will be an imitation of one we made last year, and a poor imitation at that.

We will have a man and a few samples at the Pittsburgh Convention. It will do you good to see both.

J. HORACE McFARLAND CO.,

Mount Pleasant Printery.

Harrisburg, Penna.

## If you grow

Carnations, Chrysanthemums, Palms, Roses, Violets, or anything else worth growing, and are not feeding them with

### Albert's Horticultural Manure,

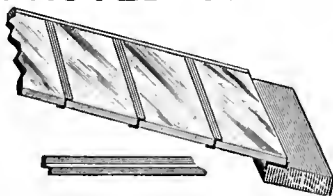
you are missing a mighty good thing.

It can be used in solution, as a top-dressing, or mixed with the soil. Put up in 10, 25, 50 and 100 pound packages for florists' use, and in 1, 2½, and 5 pound tins for retail purposes. Write for trade prices and pamphlet

ROBT. L. MERWIN & CO.,

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## Greenhouse Material,

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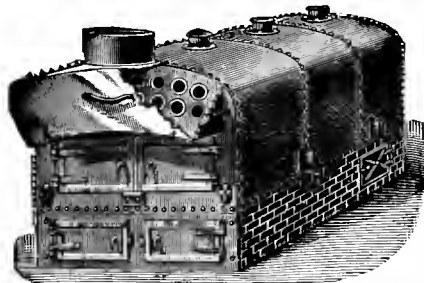
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Or any other  
Structure. . . . .

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No Paint can be made too durable for the greenhouse, none too handsome for the homestead.

We make Paints **BECAUSE WE KNOW HOW**, and have facilities to do it. We ship to all Railroad Stations and Boat Landings without regard to distance, and will make prices laid down at your depot at figures which will pay you to patronize a cash market.

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Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

THE KINNEY PUMP.



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Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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Efficient, Easily Operated, Economical.  
YOUR INTERESTS DEMAND AN INVESTIGATION. Our circular is free for the asking.

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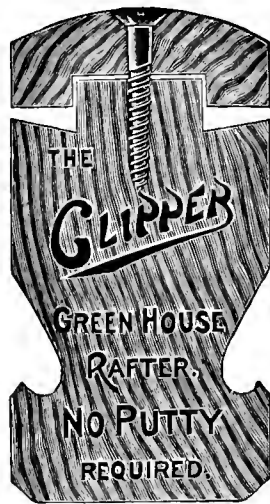
GEO. H. CHANDLEE.

H. C. CHANDLEE.

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ELECTRICAL AND MECHANICAL EXPERTS.

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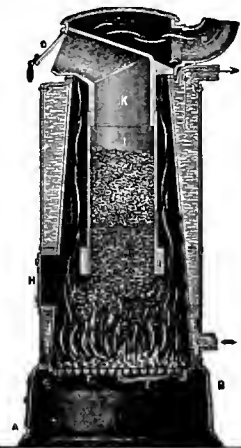


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We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rattlers, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

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ALL STEEL. SELF-FEEDER.

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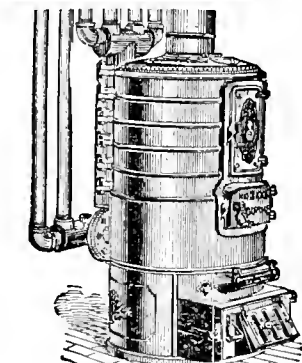
GREENHOUSES,  
CONSERVATORIES

And all places requiring hot water for  
HEATING AND GENERAL USE.

**KEWANEE BOILER COMPANY**

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KEWANEE, ILL.



"Gurney" Hot Water Heater. Series 300.

**Gurney** Hot Water Heaters  
AND Steam Boilers.

UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

ALWAYS EQUAL TO THE OCCASION.

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**GURNEY HEATER MAN'FG CO.,**

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SPHINCTER GRIP  
SPRING STEEL GALVANIZED.  
ARMORED

Pat. 1882, '85, '86, '88, '90, '91. FOR WATER, AIR, STEAM, ACIDS, OILS, LIQUORS, GAS, SUCTION.

And for any and every purpose for which a hose can be applied.

Sizes, 1/8-inch to 42 inches diameter.

The making, vending or use of any Serviceable Armored Wire Bound Hose not of our manufacture is an infringement on one or more of our

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J. C. VAUGHAN, Agent. CHICAGO.

Please mention the American Florist every time you write any of the advertisers on this page.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.



## San Francisco.

Business is in about the same condition as last reported. Carnations are shortening up in supply and the quality is hardly as good as usual. Good roses are scarce and are likely to continue so for some time. Some excellent sweet peas are still coming in, but as a general rule they are of an off color at this late season. Occasionally some grower brings in some pretty good valley which find a ready sale.

A visit to Mr. George Karmen's place shows the roses in splendid shape, also the carnations. This establishment supplied a very large number of the roses sent into the market last season. Brides, Mermets, American Beauty and Bridesmaid, also some Perles are grown here. McGowan and Portia are the two carnations that succeed best.

Mr. Fred Kunz of the Union Nurseries, Sacramento, and his family are on a visit to San Francisco.

Prof. W. W. Tracy, of D. M. Ferry & Co., is expected here on the 20th inst. Mr. Tracy will combine business with pleasure during his stay here.

The California State Floral Society is now considering their annual chrysanthemum show for November. It is expected that this show will surpass all former efforts of the society. METEOR.

## Bay City, Mich.

Mr. John Irvine employs a small army of workmen, putting his entire plant in the best of shape. He has thus far rebuilt 20,000 feet of glass and has added a 15x200 violet house. Mr. Irvine has decided to dispense with the plant trade entirely and to grow more extensively roses, carnations and violets.

Mr. Julius Schulz has built a 32x95 palm house. X.

## Detroit, Mich.

Mr. Phil. Breitmeyer has left for the east, intending to visit New York, Philadelphia and other points.

Aug. Steinke & Son of Woodmere are putting up four more houses, one 24x55 and three 20x60 for general florist stock.

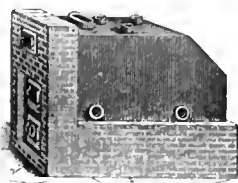
Mr. Rackham has met with a sad loss in the death of his venerable father, whose funeral took place on Sunday, the 18th inst. X.

BLAIRSVILLE, PA.—E. E. Allen, who has two houses now, is contemplating the erection of more, to meet the demands of an increasing business.

## Jones, McDuffee & Stratton, Plant Pots and Pedestals

of all grades, sizes and values, direct from the best Potteries of England, France, Germany, China Japan and the U. S.

WHOLESALE AND RETAIL.  
120 Franklin St. cor. Federal, Boston, Mass.  
Mention American Florist.



**GREEN-HOUSE  
HEATING.  
MYERS & CO.**  
1518 & 1520 S. 9th St.  
PHILADELPHIA.  
Send for catalogue  
and price list.



## OUR STOCK OF

## Standard Flower Pots

is all right, of good weight, well burnt and a cherry red color. When in need of Pots just try us on once, and we will show you what a first-class Standard Pot is.

### Detroit Flower Pot M'f'y,

Est 1853.

P. O. Address 490 Howard St., DETROIT, MICH.

The originators of the Standard Bulb or Fern Pan; as to their general usefulness and quality we would refer you to

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### THE ORIGINATORS OF THE STANDARD FLOWER POTS.

Our capacity now is **12,000,000**

## STANDARD FLOWER POTS PER YEAR.

A Full line of Bulb Pans.

Send for Price List.

### The Whilldin Pottery Company

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713 to 719 Wharlon Street, PHILADELPHIA, PA.

Randolph Ave. and Union St., Jersey City, N. J.

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## STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

### A. H. HEWS & CO., N. Cambridge, Mass.

## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Doppfel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Doppfel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

### SYRACUSE POTTERY CO.

OFFICE:

403 North Salina Street, SYRACUSE, N. Y.

## STANDARD FLOWER POTS. FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address

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## Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere. . . . .

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132 and 134 S. Fifth Avenue,

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## NATURAL GAS MADE GLASS,

FOR ROSE HOUSES, CONSERVATORIES, ETC., ETC.

## GLASS

which is absolutely perfect for modern greenhouse construction.

ROCK BOTTOM PRICES.

Send for Estimates.

Satisfaction Guaranteed.

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NEW YORK CITY.

## FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

### Florist Standard Pots

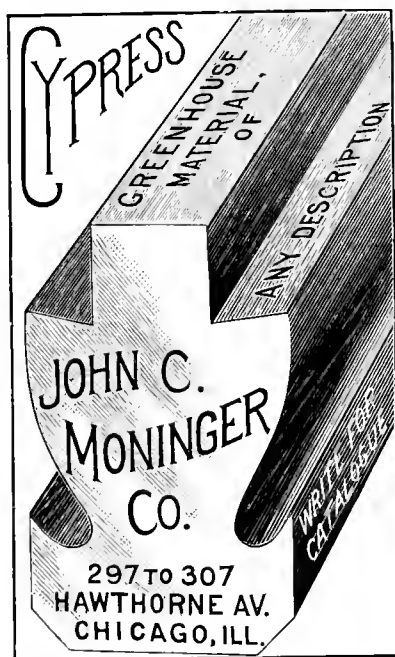
Send for price list and samples (which will be sent free), and we know you will give us your order.

P. O. Box 78,

J. G. SWANN'S SONS, Minneapolis, Minn.

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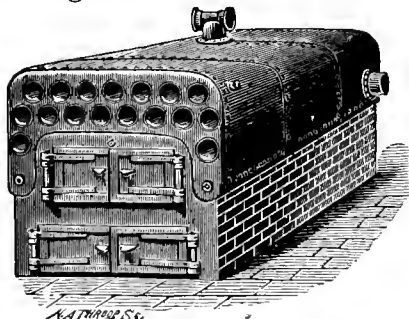


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**DEVINE'S BOILER WORKS.**

THE FLAT TOP TYPE

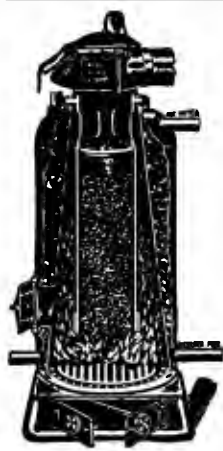
Wrought Iron Hot Water Boilers.



Capacity from 350 to 10,000 feet of four-inch pipe.

SEND FOR NEW LIST.

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56th and Wallace Streets,  
CHICAGO.

**WILKS HOT WATER HEATER.**

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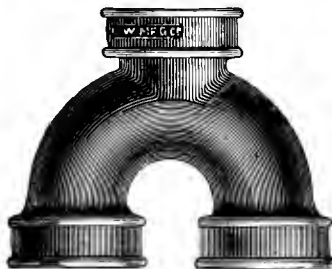
FOR GREENHOUSES, LARGE and SMALL.

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**Greenhouse Pipe and Fittings.**

Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.

Pipe can be easily put together by any one, very little instruction being needed.

**GET THE BEST.**

Hot-Water Heating, in its Economy and Superiority, will repay in a few seasons its cost.

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WRITE FOR ILLUSTRATED CIRCULAR.

**H. M. HOOKER COMPANY,**

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# **NATURAL GAS MADE GLASS,**

## **FOR GREENHOUSES.**

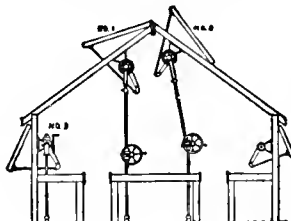
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The only Certificate of Merit awarded for ventilating apparatus at the St. Louis Convention was to the

**POPULAR STANDARD VENTILATING MACHINE**

The florist's friend in working and prices.



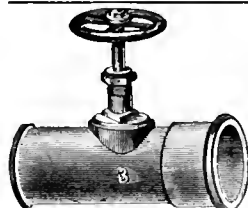
No repairs for 5 years. no chains to break as is the result with others.

Opens Sash uniform on 100 foot houses a new device.

Send for Catalogue and estimates.

**E. HIPPARD, Youngstown, Ohio.****THOS. W. WEATHERED'S SONS,**  
INCORPORATED.**Horticultural Architects and Hot Water Engineers**

Send for Catalogue, enclosing 4 cents in stamps.

**139, 141, 143 Center St., NEW YORK.****California Red Cedar**  
**NEVER DECAYS.****A. DIETSCH & CO., 619 Sheffield Avenue,**Mfr's of Red Cedar and Cypress Greenhouse Material, **CHICAGO.**

**VALVES, FITTINGS AND VENTILATING APPARATUS.**

**COLDWELL-WILCOX CO.,**  
Newburgh, N. Y.

**EVANS' IMPROVED Challenge Ventilating Apparatus**

Write for illustrated Catalogue.

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Richmond, Ind.

**MAIL**

LOCK THE DOOR BEFORE THE HORSE IS STOLEN  
**DO IT NOW.**

**JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J**

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Chandlee & Chandlee	109	New York Cut Flower Co.	98
Coldwell Wilcox Co.	111	Niemeyer Henry	106
Conley John & Son	107	Pennoek C J	98
Corbrey T J	99	Pennoek Sam'l S	98
Cottage Gardens	96	Reed F & Son	101
Cox Seed & Plant Co.	101	Reed Glass Co.	110
Crabb & Hunter	96	Reinberg Bros.	99 104
Craig Robt	102	Rice M & Co	107
Cunningham Jos H	106	Roberts D H	110
Dann J H & Son	103	Roehrs Theo	99
De Lamar Iron Wks	108	Roemer Fred	103
Detroit Flower Pot Mfg	110	Rogers F K Floral Co.	99
Devines Boiler Works	110	Rolker A & Son	106 107
Dietsch A & Co.	111	Rupp John F	95
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Flaser & Aldrich	106	Sheridan W F	99
Gardner John & Co.	101	Siebrecht & Wadley	104
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Kroeschell Bro Co	108		
Kuehn C A	98		
Lang Julius	109		
Lockland Lum Co.	109		
Long Dan'l B	104		

## Correction.

In Mr. W. J. Hesser's adv. of palms on page 52 of last issue the prices should have been per 10 and not per dozen.

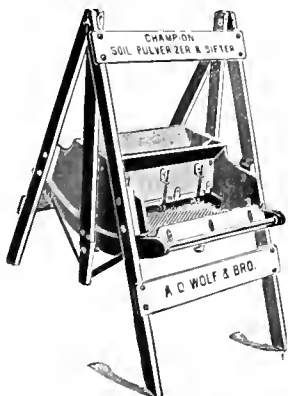
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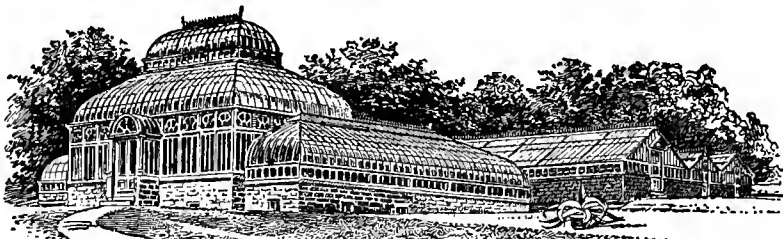
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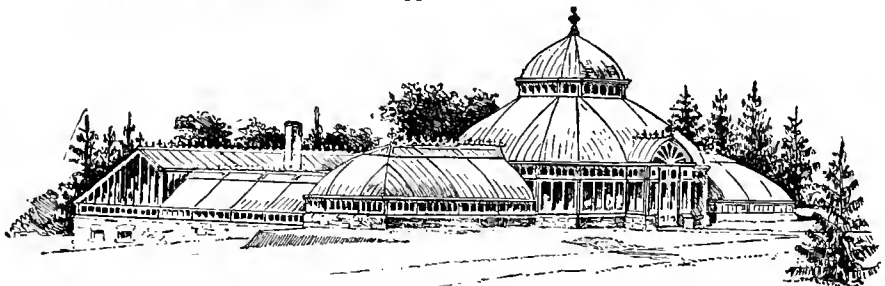
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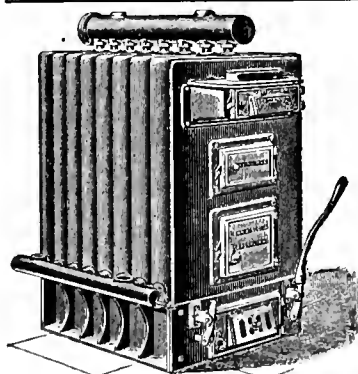


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Vol. XI

CHICAGO AND NEW YORK, AUGUST 31, 1895.

No. 378

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY,  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

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EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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WOBBURN, MASS.—Mr. Wm. Spillsbury is in charge of Mr. Chas. Cumming's place consisting of two houses, of which one is 20x150 and the other 30x125. One house is planted with about 5,000 chrysanthemums, and he is also growing about 6,000 carnations and 2,000 violets for cut flowers for the Boston market.

## THE PITTSBURG CONVENTION.

### Horticultural Education, Practice and Theory.

BY CHAS. J. DAWSON, BOSTON, MASS.

The subject before us is so broad, that it is hardly justice to attempt to treat it in such a short space of time. It is an old subject which has been talked and written about a good deal within the last few years by men who are far more capable of treating it than I can expect to be. However, there is much to be said, and I will simply give my views. It is the same old question that arises before you, how can the best gardeners, florists, park superintendents, etc. be made? If you have sons who intend to follow in your footsteps, shall you place them for a year or two in some institution where a few fundamental facts will be learned in a brief time, or start them at once into practical work? With whatever system the young man commences his career, it must be impressed upon him that his work is a life-time study; that in addition to his actual day labor he should attend all important horticultural exhibitions, read with care all trade journals pertaining to this subject, and become a member of some horticultural society which will bring him in contact with his fellow workers, and gain access to a good horticultural library in order to increase his knowledge.

Horticulture is fast gaining a place in the course of instruction in most of our colleges, a few years ago this science was little studied, but in our agricultural colleges one or more courses in horticulture is now taken up. We can hardly expect to send out men ready to take a position from these schools, but we can give them much knowledge in a short period of time which will help make their work easier and clearer. In teaching the knowledge given is the result of past experiences of other gardeners. We use their methods and endeavor to improve upon them; every student should fully understand the necessity of improving upon the already existing method of growing if possible. In all agricultural colleges and experimental stations I learn that it is the aim to combine theory and practice, lectures being followed by practical work. At the St. Louis Botanical Gardens, under the directorship of Prof. Trelease, the work is undertaken in such a manner as to turn out good practical men. The course is similar to that which I shall speak of later under the future horticultural school. Four years is required before the garden pupil is supposed to complete the course, the first year being devoted entirely to work in the greenhouse and garden, the remaining three years the time is equally divided between the lecture room and manual labor.

At Cornell University at Ithaca, N. Y.,

Prof. Bailey is making the agricultural department one of the best in the country; it is equally divided into two parts, one devoted to research and the other to teaching. About 10,000 square feet of glass is used in which is grown a general line of greenhouse and store plants. Forcing vegetables is taken up deeply, and of late years they are making a specialty of the chrysanthemum and violet. The courses of instruction are numerous, as greenhouse construction, history of horticulture, propagation, soils, etc., pomology, forestry and various botanical courses.

At the Botanical Institution, a department of Harvard, horticulture under Prof. Watson is taken up, and as far as it goes is very thorough, but lack of funds prevents much practical work being undertaken. The course embraced is usually in one year's time in connection with agriculture, chemistry as relating to agriculture, and botany. A general course is given covering a wide range from the tillage of soil, etc., to various means of propagating, greenhouse construction, cultural points in regard to most important plants, and an insight into the vegetable and fruit world. Injurious insects and known remedies are taken up, and a few lectures in landscape gardening and forestry. A course is also given on trees and shrubs, commencing with the first order, Ranunculaceæ, every tree and shrub of importance is named, and a description of their uses and method of propagation given. A similar course in herbaceous plants is given also. Most of the men studying here prepare themselves for landscape gardening, and in connection with their work take up geology, architectural engineering and adept study with botany. The men are given walks once a week through the Arnold Arboretum, where they get thoroughly acquainted with the trees and shrubs. It is a noticeable fact that most of our institutions tend to teach pomology and market gardening more than horticulture, and so with most experimental stations. This does not seem right, as the state pays for horticulture research work, and you should insist that more work in floriculture be undertaken.

In regard to the practical or apprenticeship system I am sorry to say we have none in this country; it is simply hire a man and get the most work out of him you can; especially is this so at a commercial place. You hire a boy to learn the business. He must pick up the information himself; he learns but little unless he is energetic, and you are satisfied if he tends to his work and you get your money's worth out of him. What can a boy learn if he is set hoeing weeds from May to October? nothing, yet this is what many a bright boy is set at when he is supposed to be learning the business. Don't do this, but make his work as

varied as possible, talk to him and discuss various subjects relating to the work, and explain to him why various operations are done, and do everything to interest your apprentice. The young men intending to become gardeners in the Old World were generally placed under master gardeners for a term of years, usually three, the master contracting to give instructions and generally food and lodging, while the parents of the apprentice granted the labor and services during the apprenticeship as their part of the contract. After the period of apprenticeship was finished they were called journeymen gardeners, and to become a foreman or head gardener it was recommended that they should take up special branches of the business, such as botanic gardens, nursery, vegetable gardening, etc., spending about a year in each department, thus making him thoroughly acquainted with the different branches of gardening and fitting him to take charge of a large estate in his country. We have no such system, hence the need of theoretical education as well as practice. There are few trades which may not be learned in much less time than that of gardening, which requires no small degree of knowledge and ingenuity to perform it well.

Summing up practice with theory we find that college education is a good thing to have. To a boy with a clever and active mind and a wholesome kind of knowledge, a college education is the greatest boom he can have, and his chance for success in life is better than that of one hampered by an unfinished education. He is able to grasp his business and scientific problems with a firm hand. He knows how to use his mental powers, how to concentrate his energies and to adapt himself quickly to situations that confront him. Above all he learns to reason from cause to effect and vice versa. We must remember that in the affairs of life comparisons cannot be made with the phenomenally gifted who are endowed by the Almighty from their birth with powers far beyond the equipments of their fellows. The whole human race profits by the spread of college education; still the fact must be recognized that many bright young boys must get along with a common school education, and the world should help them whenever an opportunity presents itself. A man of sound mind and good habits will come to the front whether he is college-bred or not, but with equal gifts and the same application the collegian will out-strip him in the race. Yet we cannot help but confess a great liking for the smart, brainy, digging man who is self-taught. The world is better off for such self-made men, and at all events he deserves great success.

And now to the principal reason for the writing of this paper, and that is the necessity for a national horticultural school. The United States is fast becoming rich in its grand public park systems, which are making a complete net-work all over the country. All the state and large colleges are establishing botanical gardens or experimental stations, of more or less size, and generally speaking there is a rapid advancement being made in the line of educational institutions connected with horticulture.

New York is soon to have a most complete botanical garden; that is the land has been set aside and the money has been appropriated, and no doubt the work will rapidly advance. Whether it will be a credit to this country and compare with the most famous botanical gardens in the world, namely, the Royal

Gardens at Kew, remains to be seen. It has been argued that there is no man in this country capable of taking the directorship of such an immense institution, and it has been asked, "Where is the man in the United States who is able to make the New York Botanical Gardens worthy of so great a prototype and rival as Kew?" That I could not answer, not knowing the horticultural world as well as I ought, but I believe that there is such a man, and if there is not why let them make them by the score, as there is a time coming when every state and large city in the Union will have its large botanical garden or park system, and there again the cry will be raised, "Where are the men capable of filling such positions?" and thus the necessity of a way to give the rising generation a broader education than that which they are now getting.

The old school is fast dying out, and we need men to replace them, and for that reason I advocate a National School of Horticulture that will, if nothing else, give its men a good send-off into their future work. This school should be of such fame and proportions as regards its good qualities that every one of you would wish to send your children to it, to be given the elementary education for their future business.

Horticulture has such a wide scope that it would be no small matter to establish such a school as is necessary. It should embrace every branch, both from a practical and theoretical point, that will be likely to come up before the incoming generation.

Let us see what the students in such a school would be likely to prepare themselves for. Evidently it would be one of the following branches: A landscape gardener, or architect, a superintendent of some large park, public ground, estate or botanical garden, a commercial florist (either on a large or small scale) and a nurseryman. Thus you see the scope of an institution of this kind would have to be very wide, in order to give the student a good practical education. We need such an institution and must have it. How to get it and where to establish it is another question.

The United States has already been very liberal in the establishment of its experimental stations and state agricultural colleges, and though these colleges take up horticulture indirectly as one of its courses, still it does not serve the purpose. As regards our large colleges, horticulture is taken up by some of them, but not very deeply, merely because sufficient money has not been left for that purpose, the public benefactors usually leaving their money for other branches which are already well off. So it remains either for someone to leave a large sum of money to some college for the establishment of such a school, or else the appropriation of a sufficient sum of money by the United States government or state governments, and there is no reason why this should not be done. Look at the amount of money being spent yearly for public parks and so forth throughout the country; why not put a little more money to such places and make a grand educational institution out of it?

The public could have the benefit of it just the same, as it could be laid out in the manner of a large estate, park or botanical garden, and always open to the public. This would in no way interfere with the work of the students. I say always open to the public; of course some departments should be closed from

the public certain hours of the day, to allow work to be done that would be hampered by visitors. Thus you see you would not only educate a limited number of students but the world at large, and create a greater interest in plants and flowers. Special attractions or exhibitions should be offered from time to time, as is the practice at Schenley Park, and the place should become, ought to, as famous as Kew.

You may say such an establishment is impossible. I don't believe it, and the day will and must come when there will be such a one, perhaps not on such a grand scale at first, but it will eventually reach such proportions. If necessary outside places should be connected with such an institution. I should recommend the laying out of such a place after the manner of some estate or park.

First we would have an extensive greenhouse department. This should also be divided into several branches, first a commercial department. Here the main points in regard to commercial floriculture should be taken up. This department should be self-maintaining in every way. The products should be sold so that the students may be shown the ups and downs and gain an insight into the business world. Some of you will at once say that this would not be right for a rich institution, and would be an attempt to cut the throats of the poor hardworking florists. There are many in the profession who look with a sort of slur at any sort of an educational institution, as if they had no business in this world, and think that they ought not to sell one cent's worth of plants to help the current expenses of the institution.

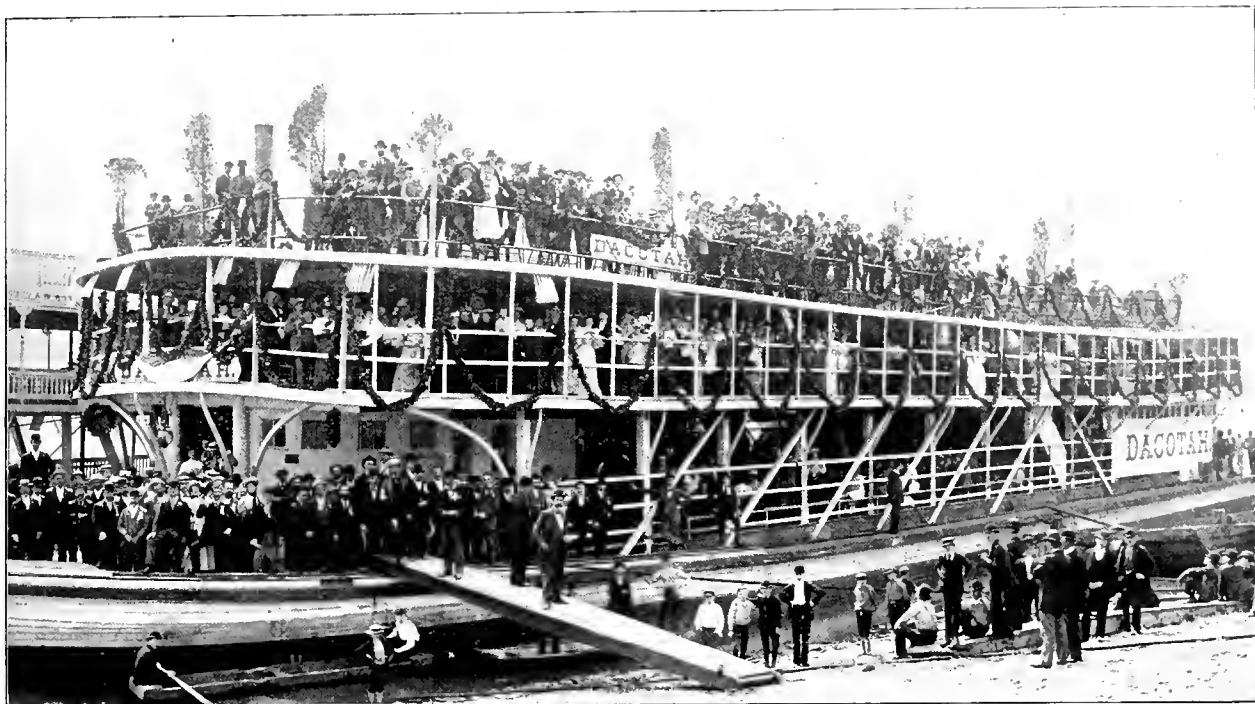
How little they realize that these institutions are working for their benefit, and that a few hundred dollars annually helps wonderfully toward their support. But no, because they are a branch of some college they must be rolling over in money. This is not so, and I myself know it only too well. They are often more than stinted for money to carry on the work.

In this commercial department everything of special importance should be grown, that is, in the rose houses there need not necessarily be grown thousands of one kind of a rose, but all the important kinds and enough of each kind to show the habit, individuality and so forth necessary to acquaint the student with the proper method of growing. You may ask, "What is to be done with the money made from this department?" There are plenty of uses, such as devoting to scientific research work.

The flowers, ferns, etc., of this branch would be used by the decorative department, which certainly ought to be established. There would surely be plenty of chances in the college buildings and the professors' houses to give the students illustrative work in the proper handling of plants and flowers for decorating and the making up of floral pieces and similar things. This institution, with such branches, could be made very comprehensive and complete. Lectures and talks could be given from time to time, followed by the practical carrying out of such work.

Besides this branch there should be a most comprehensive range of houses, containing plants of all descriptions of any ornamental value which have not been already embraced in the commercial department. This set of houses should be on the plan of show-houses, which ought to include stove, palm, orchid, aquatic, azaleas, graperies, fruit and





MEMBERS OF THE S. A. F. AND THEIR PITTSBURG AND ALLEGHENY HOSTS ON THE EXCURSION BOAT FRIDAY OF CONVENTION WEEK. [PHOTOGRAPHED BY R. MINEART, PITTSBURG.]

vegetable houses; besides a botanical department. In addition to these there should be a small range of houses for experimental purposes. Here experiments should be carried on and space should be set aside for the students in order to carry on their own research work.

In the out-of-door department the place should be laid out in the best manner possible to illustrate the care and the carrying on of a large estate or park, a place being set aside for a complete botanical garden, an arboretum and an herbaceous garden, all of which should be laid out in accordance with the plan of some regular botanical system. There should also be a kitchen garden containing such vegetables and small fruits as would be grown on any private estate. With such a place, carried on in perfect system, there would be everything necessary for the student to gain an insight into the practical work of his future business.

Now as to the theoretical department, as theory should be combined with practice. Such studies should be taught as are both directly and indirectly connected with horticulture. Taking it for granted that the entrance student has had a high school education, let us see what he needs to take up in connection with his practical work. I would lay out a broad course embracing such studies as would be both directly and indirectly connected with horticulture. There should be engineering (enough to give him a good insight into surveying, grading, road-making, etc.) a knowledge of geology, that he might better understand the make-up of the earth's surface, a good course in architectural work (necessary for the drawing of plants, etc.), a thorough knowledge of plants, etc. (needed for out-of-door work), and enough botany that he might readily distinguish whatever plants might come before him. For other students some of these courses, as engineering and architecture, might be dropped. But entomology should be taken up, also chemistry with its relations to agriculture.

This will give the student a better idea of the make-up and the tillage of the soil. Horticulture and floriculture should be taken up in their broadest sense. It is needless to say that complete laboratories should be connected with every department, and able instructors should take charge of the different studies. In the horticultural courses, which are the most important, the head professor would need one or more able assistants who should take up the supervision of the practical work and follow out the instructions already given by the professor.

Good practical men should have charge of each department. They should not only be good growers, but should understand well the various subjects under their charge, so that they could talk in a good manner to the students under their charge. The course of such a school should extend through a period of three or four years, during which time all the above studies should be taken up.

I should advise that the time should be evenly divided between theory and practice. The first and second years the work should cover as wide a scope as possible, it being the duty of the assistant horticulturist to map out the practical work in the most interesting manner to the student. The third and fourth years should be devoted to that particular branch which the student wishes to make a specialty of. Thus a school of this description, properly carried on, would give the rising generation a broader knowledge of our horticultural world. We have plenty of men who can grow a rose, carnation, violet, etc., to perfection, but outside of their specialty where are they? Comparatively in the dark.

You may say, "This is a lifetime study." So it is, but would it not be better for the world in general for such men to have a broader education? I say emphatically, "Yes," and it is this one point I wish to impress upon your minds. The result of such a school would be better men, better wages, in fact a good advancement in the horticultural world, and in future years

these so called gardeners would have to take a back seat. It would be best to place the management under one of our famous colleges, as Harvard, Yale or the University of Pennsylvania, and politics should be kept out of it as much as possible. A shorter course than the one described would be established for men who could not devote so much time, and it would be well to have a course of lectures for the public benefit.

Where would such a school be established? One is needed in the east and one in the west. For Boston, at the Bussey Institution, a branch of Harvard, there is, as I have mentioned, a horticultural department. We have a large tract of land embracing some 100 acres, which is in every way adapted for such work, and is connected with the Arnold Arboretum, another department of Harvard, and the largest tree and shrub garden in this country. Could a school be established here the great expense and long time to develop the tree and shrub department would be done away with.

We have one grand public park system and many large estates for illustrative work, and altogether Boston would be a grand place to have such a school, but I must not say too much in favor of my own city, yet the establishment of a school like this under the management of Harvard would be an untold pleasure and a great success. I hope I have impressed upon you the necessity and possibility of this school, the importance of combining theory with practice, and wish this society might be induced to take some action toward the accomplishment of a grand horticultural school.

#### What Action Should This Society Take to Broaden the Horticultural Spirit Among the People.

BY PROF. JOHN F. COWELL.

About a month ago I spent a day here in Pittsburgh looking over the park system. Through the kindness of Superintendent Bennett, who acted as my "guide, philosopher and friend," I visited the pub-



lie parks and drove through some of the beautiful residence streets, and I saw with what open-handed liberality the enlightened public spirit of the people was providing for the horticultural embellishment of their city and their homes. Not only has the municipality been generous in its treatment of horticultural interests, but individuals have come forward with princely gifts, or have devoted their energies to the building up of a system of beautiful recreation grounds for the benefit of their fellow-citizens. And I pondered as to the means employed to bring about this most admirable condition; what initial forces were employed to induce the donors to give and the recipients to appreciate. If I could answer these questions I think I should be able to say "What action should this society take to broaden the horticultural spirit among the people?" For the people of Pittsburgh are probably influenced by the same reasons and swayed by the same motives as are the citizens of other municipalities. Surrounded as they are by natural scenery in grandeur not surpassed by any city on this continent it is indeed possible that their education in and appreciation of the beautiful nature has been life-long and cumulative from generation to generation.

Horticulture is an art as old as written history, and is always the accompaniment of higher civilization. It is in a certain sense the daughter of agriculture, for in the evolution of civilization and culture it is the utilitarian that stands at the base of the structure; in every case it is our necessities which are first attended to. As our grosser wants are supplied there arise new necessities which must be satisfied, and the luxuries of a century ago are among the necessities of to-day. There is a beauty in a field of corn, and the farmer feels more than the mere commercial satisfaction as he contemplates the ripening grain. But this beauty is of an archaic kind and belongs to primitive civilization. It is too bold and at the same time too monotonous; it lacks variety and relief. As a race becomes educated and refined their tastes demand that the useful shall be ornamental as well. As a mere shelter will no longer serve in architecture so the bare earth no longer answers for surroundings. Each succeeding generation surpasses its predecessors in this ornamentation, and it is probable that the general love for horticulture was never so great as it is to-day. Nor are these gardens that we are making mere playthings. The interest that far-seeing men are taking in ornamental horticulture is based on something more than esthetic effect. Communities and individuals are awakening to the fact that there is a decided utilitarian value in this work that may, if necessary, be computed on a cash basis. The physician sees in this work a panacea for the irritated nerves so common in our age of work and worry. The social economist understands and appreciates it as a factor in raising the moral status of society. But I need not dwell on these "glittering generalities." You are all familiar with the reasoning. I merely mention them because they indicate some of the lines upon which this society can carry on its educational work. No intermittent work will answer our purpose, but it must be regular and insistent. Precept and example repeated and repeated again.

This society has already accomplished much for the advancement of horticulture, not only with the trade but with the people also. The announcement that this society is to meet in a city for its annual convention acts as a stimulus to horti-

cultural embellishment which is seen in both public and private grounds, and as a society perhaps one of our greatest opportunities for teaching occurs upon these occasions in the effect which we produce upon the communities whose guests for the time being we are. And it behooves us to make these meetings memorable occasions. In order to do this we must make our meetings both attractive and instructive to laymen. Not only is this for our own advantage, but it is a duty we owe to the municipalities who become our hosts and entertainers.

We have all noticed the interest which our visitors take in our exhibitions, which are possibly the only ones that this society can profitably undertake, and I think these exhibitions should be increased in extent, and every effort made to raise the standard of the exhibit, and increase their educational value. We do not want pyrotechnics, but object lessons, that will be understood and appreciated by every visitor. These exhibitions should not be merely for the trade. We invite the public to view them and we should see to it that sufficient information is given to render the lessons plain.

In connection with this discussion of our meetings and as apropos to the subject under consideration, it may be well for us to reflect on the impression that our conduct as a body and as individuals creates in the minds of the community of which, for the time being, we form a part. To some extent the advancement of horticulture is influenced by the attitude and behavior of its professional disciples. Our conduct at our meetings should impress the public with the dignity and nobility of our avocation. We should be careful to so conduct ourselves at these gatherings that people will realize the ordinary and usual modest and earnest current of our lives, and not being misled by any boisterous demonstration in our hours of extraordinary relaxation.

Our society is of necessity too unwieldy to carry out much of the detail work in educating the people at large, but it must continue to stand as the great national encourager of horticultural pursuits. It is the parent of the florists' clubs, and it can bring its influence to bear through them also. It can strengthen the hands of the experiment stations, and work in sympathy with them. It can encourage and assist the park makers in their efforts to beautify our cities and villages. It can foster in many ways the institutions devoted to the dissemination of botanical knowledge and scientific research. And if it cannot found a school under its own direction, it can at least be a foster alma mater to others and a veritable guardian angel to all earnest teachers and investigators in the horticultural world.

During the last ten years I have been brought in close connection with the public schools of our country, and while I have not been engaged directly in the teaching of science to little children, yet I have had considerable supervisory work over such teachers and have been in a position to watch from the beginning the efforts to establish "nature study" as a part of our public school curriculum. This teaching, which was taken up but a few years ago in our educational centers, is spreading rapidly, and one can see already some of the results. Not only have the children a better understanding of nature and her products, but by the methods employed in teaching they come to love the plants which they care for, and to appreciate in some degree their value, the laws which govern their

growth and the loss entailed by their destruction. Now I believe that when these children come to be men and women we shall see flower lovers more abundant and garden makers more skillful than is generally the case. How far this society can directly assist in this excellent work I do not know, but I doubt not that we can devise some method by which our power can be applied in this direction. But perhaps after all this society can wield its greatest influence for the broadening of the popular love for horticultural pursuits, through its members individually. These units of our association are scattered abroad over the land, and their influence because they are close to the people and in touch with all the local aspirations and activities, it may be, the principal force to rely upon. They are in many instances, I am glad to say, men of substance and influence. They are, in many cases, members of local improvement societies or trustees of schools, and thus are in a position to exert great influence in fostering and increasing the knowledge of and love for our peaceful pursuits, and there is not one member of this society who cannot render yeoman service in the cause. They can assist if they will in all the directions that I have indicated, and their united work would be irresistible.

So long as the society maintains its present organization it seems to me that it could accomplish more good in some directions by breaking away from some of its present customs. I refer to its system of awarding its meeting place to the highest bidder. Would it not be better to call our conventions at some desirable point regardless of any local assistance? I believe this would tend to dignify the society and relieve members of the place from a burden that is getting to be onerous. At present our meetings are only held in cities where the number of florists is large and horticultural interests very active. The list of such cities is small, and in some cases our visits have already been completed. There are plenty of cases where it might be desirable for our society to meet where the local membership is too small to furnish the elaborate entertainment that we are accustoming ourselves to, places where a meeting would tend to quicken horticultural taste and practice, and increase the efficiency and self respect of our society. While it is true that the practice of meeting at horticultural centers offers some advantages for the education of our members in certain directions, yet I think it is time that we did a little missionary work in places where the horticultural spirit needs encouragement.

#### Recreation Day at Pittsburgh.

The program announced that the visiting florists and their ladies would be the guests of the Pittsburgh and Allegheny Florists' and Gardeners' Club on Friday, August 23, and it may be truly said that nothing that could be done by generous and indulgent hosts was left undone. The boat originally intended for the excursion up the Monongahela had been wrecked in the cyclone, but a substitute was procured in the barge *Dacotah*, and at the advertised hour for starting (1:30 p. m.) her decks were well loaded down with a merry company. The boat was profusely decorated with evergreen and hunting and the pink ribbon badge of the Pittsburgh club fluttered everywhere. There was an abundance of refreshments and a fine band furnished music for dancing. Arriving at Homestead the party was shown through the great Carnegie steel

works, and much interest was excited in the various processes of converting iron into steel, and the manufacturing of armor plates for the United States Navy.

The great event of the day took place on the return trip. This was the presentation of a beautiful gold watch, chain and charm to President Lonsdale. The presentation was made in the large dance hall of the boat, Mr. E. A. Wood acting as spokesman for the donors. Addressing Mr. Lonsdale, who had been unwittingly enticed to the desired spot, Mr. Wood spoke as follows:

"MY DEAR FRIEND:—When the Society of American Florists was first formed you were among its earliest members. Little do the florists of this country realize how much they owe to those early members of the S. A. F. We all know what it was to go into a greenhouse fifteen or eighteen years ago and ask a florist to tell us how to grow this or how to grow that. He simply winked his eye and said, 'Oh, that's my secret.' But with the formation of the Society of American Florists there came forth a new class of men in the business, who were willing to disseminate the knowledge to acquire which they had worked for years.

"You think perhaps that we have honored you, but we recognize that you have honored us. Those who have had the pleasure of attending our conventions have gone home filled with enthusiasm; and I can say that no one man has done more than you to inspire young men in our business with that feeling of emulation which leads to excellence. When they have met you, shaking your hand and asked how this or that was done, they have received valuable information, cheerfully given, and they have gone home to work to see if they could not ultimately become as proficient as you are.

"My friend, we have *watched* your career, we have *watched* it through this convention, and we think you need *watching*. The sessions of this convention were not called occasionally quite on time; you may have had Philadelphia time; perhaps you did not have 'a good time.'

"President Lonsdale, I have been delegated to present to you this little token of the esteem which your many friends in the S. A. F. entertain for you."

The testimonial was here presented amid great cheering, followed by the chorus of "He Is a Jolly Good Fellow."

President Lonsdale controlled himself with difficulty as he replied: "My dear friends, I wish I could find words in which to express my feelings at this moment, but I cannot. Mr. Wood has said some very kind words about me, more than I deserve. I have only done my duty, and what little I have done has been done cheerfully. All that I can say now to you is, God bless you all. I thank you." (Cheers and congratulations.)

Mr. Wood here again gave expression to the sentiments of the donors as follows: "Mr. Lonsdale, we acknowledge that we are robbers; we have robbed you of your time continually. You have been so accustomed to making sacrifices for our benefit that often you have not had time to make the little purchases that you desired, from time to time, to make for the loved ones at home. Those who have been close to you well know, as I do, that during our conventions your thoughts have reverted to those at home and who had not been able to accompany you; and I well remember that on one occasion a request which you received by mail from

one of your little daughters was coupled with the condition, 'If you only have time.' It was not that you forgot them at home, your will was good enough, but the trouble was that we robbed you of the time you would otherwise have spent in procuring little mementoes for the gratification of Mrs. Lonsdale and the children. Now, I want to assure you that we have not forgotten them. We have had consideration not only for you but for the lady who is your partner through life's journey. We desire to send with you to your home the little gift which I now present to you."

President Lonsdale, upon receiving the silver pitcher, briefly reiterated his thanks and again expressed his regret that he was unable to formulate them in words.

Uncle John Thorpe, ex-chief of the Floricultural Department at the World's Fair, here asked the privilege of saying a few words. He continued: "Some twelve years ago, when the S. A. F. was in embryo, I met our neighbor, Mr. Lonsdale, at Rochester, and in the hotel there we talked about the possibility of a National Society. It was one of those visionary things that did not at that moment take any form as to what we would do. The time went along for two years, and, after a good deal of consultation and consideration, the project took shape. Upon coming from Chicago to Philadelphia, at that time, I remember well of meeting Mr. Lonsdale. I said to him, 'Ned, I want you to give all the support you can to the organization of the National Society.' He replied, 'I will do it; what is yours is mine; what is mine is yours.' I remember that as plainly as I remember anything. We have seen the result. At that time 'Our Ned' was not as broad nor quite as thick as he is now, but he had all the enthusiasm and all the ability that have since helped to make this society of ours a success. We see today the proof of his quality in the work he has done. No member, no individual anywhere, I think, has done as much work for us as has our friend Lonsdale."

Here the formal speaking ceased and the audience took a look at the beautiful gifts in Mr. Lonsdale's possession. The inscription on the watch is in these words, "Presented to Edwin Lonsdale by his friends. S. A. F., Pittsburg, Aug. 22, 1895." An appropriate inscription also appears on the silver pitcher.



Carnation Notes.

Mr. Dorner's paper read at Pittsburg is admirable. He states plainly why we have bacteria, and I believe he is absolutely correct in the cure. As he says carelessness to a great extent is the cause. Moral: be more careful in the future and your plants will not be troubled with yellowish tips. Carnations want air and lots of it. If your plants are close they will not get it. I believe the same care will do much to keep rust out of our stock, but I cannot agree with Mr. D. in applying remedies for the prevention of rust, for extensive experiments have failed to check or prevent the spread of it. I do not pretend to say what will check this pest, but I do know that where no means have been taken to stop the spread it has

not increased. The variety Uncle John has shown no rust with me this summer in spite of the fact that the cuttings were taken from infested plants, and it is known that this variety is one of the very worst to take rust.

No carnation grower who has any regard for his welfare will fail to note carefully every line of Mr. Dorner's paper. It would be well if such articles could appear more often in our trade papers, and why is it that Mr. D. hits the nail so squarely? Simply because he is constantly with his plants, noting every want and condition of his stock. He works among his plants and thus learns to know thoroughly the requirements of each variety. This is the case with every successful grower; he knows the needs of his plants the same as the competent farmer knows the requirements of his horse. The day is never too long for the florist who loves the work he is doing in producing fine plants or flowers. One of our prominent growers told me at Pittsburg last week that his wife could not understand why he smoked his evening cigars in the greenhouse, he was there all day, why not stay in the house and rest? That grower is prominent because he is a very successful one, and he is so for the simple reason that he loves plants and that after dark they bring to him thoughts and inspirations that he cannot get during the busy day. I was much amused when a gentleman called to see his look of astonishment when he found me planting carnations in the benches; when I told him that I set every plant in my smallest establishment; he would scarcely credit my statement, for he had been informed that I was a scribe and never did any physical labor. What little knowledge I have acquired has been through practical work with my plants until I have learned to love my business, and especially is this true concerning carnations.

There was quite a feeling shown at the convention to bring into the arms of the S. A. F. all the auxiliary societies, including the Carnation Society. Now, as I understand this matter, this society is not in any way an auxiliary to the S. A. F., but is a separate and distinct body. That the interest in the S. A. F. would be strengthened by the controlling of all such societies as ours I do not question. There are members in our society who are not included in the S. A. F., but who were several years ago. The committee which were appointed to bring about a closer relation of all the auxiliaries state that every member of the Carnation Society must be a member of the S. A. F. Now to be a member in good standing of the latter he must have paid his dues up to date. The executive committee of the S. A. F. had better change this ruling, or if there should be closer relations both societies might suffer by the loss of members. There are many little points similar to the above which must be carefully considered, and will be by the younger society before its members decide to make any change. If, however, any advantage can be gained for the general welfare of all concerned I fully believe the members of the Carnation Society will be only too glad to help the S. A. F. in establishing one great and powerful organization that will be a credit to every American florist. Wm. Scott, the newly elected president of the S. A. F., can feel assured of the hearty support of every progressive carnation grower, and they will do all in their power to assist him in placing upon its feet a society that has done so much for every one of us. CHARLES H. ALLEN.



### Chrysanthemum Society of America.

The annual meeting convened in the committee room, Alvin Theater, Pittsburgh, August 22, at 3 p. m. After the meeting was called to order by President E. A. Wood, the secretary's and treasurer's reports were read and accepted.

The report of the committee on scales for judging chrysanthemums was accepted and recommended that other societies adopt the same scales. The report was as follows:

- A.** Scale of points for bush plants and standards, single specimen or any number up to six in an exhibition where the class under consideration *does not form the chief* feature in the exhibition hall.
- |   |            |
|---|------------|
| Equality of size and form of plant. . . . . | 40         |
| Size of bloom. . . . .                      | 30         |
| Foliage. . . . .                            | 30         |
| <b>Total. . . . .</b>                       | <b>100</b> |
- B.** Scale of points for bush plants, exhibits of more than six or for any number of specimen plants in an exhibition where the class under consideration *forms the chief* feature in the exhibition hall.
- |   |            |
|---|------------|
| Equality of size and form of plant. . . . . | 25         |
| Size of bloom. . . . .                      | 20         |
| Foliage. . . . .                            | 25         |
| General effect. . . . .                     | 30         |
| <b>Total. . . . .</b>                       | <b>100</b> |
- C.** Scale of points for plants grown to single stem and one bloom. A height of not over three feet is recommended for plants in this class, and pots not over six inches in diameter.
- |                                |            |
|--------------------------------|------------|
| Compact sturdy growth. . . . . | 40         |
| Foliage. . . . .               | 30         |
| Size of bloom. . . . .         | 30         |
| <b>Total. . . . .</b>          | <b>100</b> |
- D.** Scale of points for specimen blooms:
- |                       |            |
|-----------------------|------------|
| Color. . . . .        | 25         |
| Form. . . . .         | 25         |
| Fullness. . . . .     | 15         |
| Stem. . . . .         | 10         |
| Petalage. . . . .     | 10         |
| Size. . . . .         | 15         |
| <b>Total. . . . .</b> | <b>100</b> |

It was decided all varieties exhibited before the committees (Section D.) that score 85 points are entitled to the society's certificate.

On motion of E. G. Hill it was decided an entry fee of \$2 be charged for each variety exhibited before the committees. All entries to be made to the secretary.

Provision was made whereby foreign novelties may be exhibited before the committees under the same rules governing seedlings.

A committee consisting of Grove P. Rawson and Elmer D. Smith was appointed to select and provide a suitable certificate of merit.

The officers elected for the ensuing year are: President, E. A. Wood, South Denver, Colo.; vice-president, E. G. Hill, Richmond, Ind.; secretary, Elmer D. Smith, Adrian, Mich.; treasurer, John N. May, Summit, N. J.

The interest manifest throughout the meeting was very gratifying to those present. After the close of the meeting fifteen new members were enrolled.

### Chrysanthemum Notes.

It may appear to some that weekly applications of food, as mentioned in last issue, entail a large amount of unnecessary labor. This would be the case with

some, but those who are equipped with tank for the purpose sufficiently elevated to give ample pressure will sustain very little loss in time. When so applied it is quite apparent the plants receive immediate benefit without any great waste in material. Manures of all kinds are used with good results, so when asked which is the best we are at a loss to say, when we consider the fine blooms exhibited by dozens of growers, each attributing their success largely to some one or more special methods employed, and yet each one varying to a greater or less degree.

Fine blooms are produced in pots, shallow benches and solid beds, deriving their nutriment from horse, cow, sheep and hen manures, guano and bone meal, or by the occasional application or entire use of such salts as sulphate of ammonia, nitrate of soda, nitrate of potash, phosphate of potash and phosphate of ammonia, either mixed or used separately. It is admitted that nitrogen, phosphoric acid and potash are the three important constituents in manures that are beneficial to plants. Thinking it may be of interest to some we give a table showing the per cent of these constituents as contained in some of these materials:

	Nitrogen	Phosphoric Acid	Potash
Manure from fattening cattle, fresh	.64	.53	.50
Peruvian guano	6.4	20.	
Bone meal (raw)	4.1	20.5	
Bone meal (steamed)	2.5	21.	
Sulphate of ammonia	20.2		
Nitrate of soda	16.		
Nitrate of potash	12.		40.
Phosphate of potash		35.	26.
Phosphate of ammonia	12.	40.	

ELMER D. SMITH.

### A Visit to Henry Eckford, the Sweet Pea Specialist.

Little need be said of Wem, the old fashioned English town where Mr. Eckford lives. It is about midway between Whitchurch and Shrewsbury, forty miles south of Liverpool. So narrow are its paved streets that an American thinks he is turning down a lane, and yet its three thousand inhabitants are housed in comfortable brick dwellings, and barring the huddled look of these old English places, everything in them seems comfortable and social. Just outside the town I found Mr. Eckford's floral workshop, and the old long, white bearded florist himself. I felt that my visit was going to be a pleasant one the moment I took his hand. The only other American who had been to see him was Timothy Hopkins, whose visit he remembered with great pleasure.

I had not heard of John Eckford who signs himself simply "Junior," and who is known as "Jack," but I was glad to find in him also a worthy successor, who has left his other business and now puts all his energy into the detail work and business that has grown out of his father's splendid work as a specialist. Jack has got the clean cut business in him, and the old man has the soul for flowers. Fifty years of special work developing florist flowers, with a cart load of certificates showing first-class work done, is the basis of Mr. Eckford's record. But he says the sweet peas are the crowning work of his life. He was at one time gardener for a Dr. Sankey, and then he went to work on special flowers. Verbenas, primulas, cinerarias, pansies, etc., have in turn taken his attention. His seed of some of these was eagerly sought at sixteen guineas an ounce. He will pass for a pretty good patriarch now, like Moses, "his eye is not dimmed nor his natural force abated."

His workshop now consists of five

acres, where all his work in developing varieties is done. After getting his seed stock ready for growing his trade stock, it is sent elsewhere to be grown. He expects to add on four acres more next year. Three acres are devoted to sweet peas, and one acre to culinary peas. His work on the latter was a revelation to me, and some of the finest sorts recently introduced to our trade have come from him. To see the new culinary varieties he has originated growing there as I saw them, made me wonder why they were not more eagerly sought for by our houses, but I am told they do not hold their high type here. I think it simply amounts to this, that like the sweet pea, they need two or three years of acclimatizing before they will take kindly to our conditions. One day while I was there some lady visitors came into the grounds and one of them innocently spoke up with great delight, "Oh, Mr. Eckford, Mrs. — picked such a great, fine pod, and it had *thirteen* peas in it!" So far as civility would allow she had to learn that her childish delight did not comport with the interest of a specialist who had put years of work on that pod.

Now the three acres devoted to sweet peas all represent advance work. The forty or more Eckford varieties with which we are familiar were being grown elsewhere, and only the very latest developments along every line of color are worked upon by Mr. Eckford himself at Wem. First, I will speak of two acres of seedlings. In this is planted all the selections of seed taken from every marked plant that shows any new development of color or any advance in merit of any kind. Here was a treat. This two acres shows the grand result of eighteen years work on the sweet pea. Mr. Eckford is reaching on continually for a larger grandiflora form of each color, the finest selections of which go into this plot of seedlings. Plants showing the largest percentage of four blossoms on a stem are also selected. Flowers that are strikingly bold, blossoms that show warmer and richer blood, shadings of deeper hue or lighter cast, reflexed expansion of the standard, or hooded and wavy fullness, everything special is saved and worked on. Then, as the result of cross-fertilization, this plot of two acres shows here and there the new colors that are coming in, and the infusion of the blood of one color into another. A rare, very rare privilege it is for one who has for years studied one flower to wander through such a field where all the choicest and latest results of eighteen years of patient work by a skilled specialist have been gathered. I visited Kew and Chiswick, but for a special treat, what were they compared to these two acres at Wem where I saw my favorite flower carried to a point of development in which Mr. Eckford's work stands alone in all the world. The old florist himself could see a new shade rods away, and could instantly detect the least infusion of richer color in a blossom, and his enthusiasm knew no bounds. I shall speak of his work from a commercial point of view later, but just here I must accord Mr. Eckford that credit which is due to one whose soul is filled with the beauty and enjoyment of a flower for its own sake.

In this two acres of seedlings the large grandiflora type of blossom stood out most prominently, nearly all the colors now being brought up to a magnificent form. Then it was a delight to see, for instance, how distinct he has the crimson from the scarlet, how much nearer a true blue he has carried the blue, how black

the indigo shade has become, what advance in the orange. The light primrose yellow is being enriched with cream. Apricot and cream are a new combination that will give us some fine novelties soon. All the rose shades and pink have advanced beyond anything we have seen. We hardly know over here how beautiful the lavender shades are, for we are not holding them up to type.

Mr. Eckford's work on the white varieties is splendid. Take *Blanche Burpee*. We have not seen it to any advantage this year. The white seeded whites never do well with us at first. They are the weakest in constitution of all the sweet peas. And it is a very slow process to get the white seeded white up to *grandiflora* form. *Blanche Burpee* represents eighteen years of honest, patient work on the white seed. Mrs. Sankey with its black seed, came up into a pretty good *grandiflora* type several years ago, but we want the pure paper white that can come only from the white seed. Probably not more than one-third of the *Blanche Burpee* packets germinated with us this year, but for all that it is the very best that anybody has been able to do in carrying up the white seeded white. We shall have the whiteness and the substance of the *Emily Henderson* yet put into a *grandiflora* type, but we must wait a little longer.

Now, Mr. Eckford selects from his seedlings such varieties as he wants to offer. He keeps the trade one year behind on his novelties, first offering a set to his retail customers, and the next year to the trade. We are really one year behind in our sweet pea exhibit, for the following varieties were offered last season in England to his retail customers: *Alice Eckford*, cream ground, apricot tinted; *Countess of Aberdeen*, an almost white pink, with pink edges; *Captivation*, light purple magenta; *Little Dorrit*, latest improvement in the popular pink and white; *Mikado*, a stripe in which the orange cerise predominates over the white. In selecting a set of novelties Mr. Eckford plants a liberal row of each at his Wem garden, and trues them right up to the type before sending stock to his grower.

It is evident to anyone who plants each set of the Eckford novelties as they are introduced, that they are not all of the same high type. I fully appreciate Mr. Eckford's motive in this, and support him in it. Take the set we received in 1892. These were *Dorothy Tennant*, *Her Majesty* and *Mrs. Eckford*, three splendid sorts for which a specialist should receive large compensation. The sale of these fine things is necessarily small at first, and he must get his best profit out of their introduction price. He must either charge twice as much for the best ones, or make the price uniform for the set of six. They are all fine, the best of them being of the full *grandiflora* type and representing long years of work in carrying them up. Mr. Eckford knows the value of his work, and there isn't a seed house in England that can secure from him any cooession which lets down his own estimate of his work on this flower. He consults nobody but Henry Eckford. And we many take our choice of paying five English shillings per packet for special sorts, or taking them in the way they are offered at two shillings six.

I thought away names and descriptions of about twenty new varieties that we shall see in time. Nearly a dozen sweet pea shows have to my knowledge been held in America this season, and I am sure that the day of enthusiasm in the higher

cultivation of this flower has but just begun. I saw two Eckford exhibits in England, one at the Royal Horticultural show held in Drill Hall, London, and the other at Windsor Castle Park. At these exhibits fifty of the finest sorts are shown twenty-five stems in a vase, slightly loosened out with their own foliage. Mr. Eckford uses a tall, slim vase about the shape of a fish horn, the bottom being weighted down with a disk of sheet lead.

I also called at Laxton Bros', Bedford, who have attempted a good deal at cross fertilization in sweet peas, and have introduced several sorts of some merit, such as *Etna*, *Rising Sun* and *Princess May*, etc. My trip also took in several large seed houses, through whose kindness I was able to nearly complete the data for a new book on this flower, covering the history of every variety, beginning with the four original sorts, two of which came from Sicily and two from Ceylon. A visit at Vilmorin's trial grounds near Paris was also very interesting. I must leave to later articles some more specific points of which I shall be glad to write.

W. T. HUTCHINS.

#### Philadelphia.

There appears nothing very new or startling in or about this city at the present time. Business is still in a condition of dreariness, but strong hopes are entertained for the coming season, which it is believed will show a great improvement over the past year. The retail men are still spending money in embellishments and improvements, and the Philadelphia stores of to-day are in consequence the equal, if not the superior, of those in any other city of this country. The most elaborate improvement in progress in this line is the renovation of the store of Robert Crawford, 233 So. 11th street. It can hardly be called a renovation, as the entire interior has been torn out and refitted anew. Mr. Crawford has personally directed the work, and has displayed much artistic taste. The ceiling and walls have been newly frescoed in modest tints with delicate silver borders, the whole forming a pleasing effect. The lighting has been greatly improved by the addition of numerous electroliers of beautiful pattern. The refrigerator with heavy French plate front, and lined throughout with tiling, is one of the handsomest pieces of furniture that ever graced a florists' store. The improvements thus made will afford more room for work, and will give greater conveniences. Mr. Crawford states that business is nothing to brag of just at present, but says that during the many years of business he never had a larger individual funeral order than one he received a few days ago. Strange to say, it was mostly in colors.

Mr. George Craig, 211 So. 11th street, has pulled down the greenhouse in the rear of his store, and will erect a new and more convenient structure in its place.

Mr. Philip Alburger of Ridge avenue is erecting a new show house in place of several old greenhouses lately demolished.

The convention number of the AMERICAN FLORIST was an agreeable surprise to the many Philadelphia subscribers, the general make-up with the valuable contents brought forth much praise from its readers, and the management of the paper received many complimentary expressions.

The eleventh annual convention being a feature of the past, we naturally compare notes, to learn what was the result, and what is the feeling regarding the same as compared with past conventions. It is safe to say that the convention was a

grand success, much better than some of its predecessors, the business before the house being treated as business, and done in a business manner. The entertainment of the guests by the Pittsburgh and Allegheny Florists' and Gardeners' Club was highly praised; those from this city attending the convention speak in commendatory terms of the hospitality tendered the visitors, and will gratefully remember the many courtesies received while in Pittsburgh. The lecture delivered by Wm. Hamilton Gibson at the session Wednesday evening was undoubtedly a masterly effort. Those who had the pleasure of enjoying the same speak of it in the highest terms, and many go so far as to say that it was worth a heap more than its cost.

The Philadelphians feel highly honored in the testimonial of esteem which was presented to the president of the Florists' Club of Philadelphia, also to his good wife. As president of the S. A. F. Mr. Lonsdale has met all demands, and in doing honor to him his townspeople feel doubly honored. The Florists' Gun Club of this city feel in better trim than the bowling contingent. There is no doubt that had our people been able to use regularly any one set of alleys the result would have been different. However, the true causes of defeat will have to remain a secret until the return of Mr. Wm. J. Baker, who is resting up at Fremont, Ohio. The old man will set things right on his return.

The Gun Club appear to have lots of sand in them, and were in evidence at the Pittsburgh shoot to considerable extent, the result of their work being five out of seven prizes, and as they captured the handsome "Whilldin Trophy," offered by the Whilldin Pottery Co., they naturally feel chic, and at the same time use sweet and endearing words of sympathy to their bowling brothers. The Buffalo Florists' Gun Club are sporty, but the Quakers are "wid um"; the Buffs. have challenged the winning team, i. e., the Philadelphia club team, to meet at Buffalo in October next and contest for the honor of first place between the two teams. It is needless to say that Captain John Burton accepted at once the challenge. It is a part of the agreement, however, that a return match will come off in this city in November next during chrysanthemum show week.

Hugh M. Hughes has been appointed head gardener at the State Hospital for the Insane at Morristown, Pa.

The visitors to the city during the past few days included Elijah A. Wood and wife, Denver, Colo.; Secretary Wm. J. Stewart and daughter, Boston; John Dingwall, Albany, N. Y.; E. A. Ormsby, Melrose, Mass.; Jas. Warburton, Fall River; Robt. H. Kidder, Waltham, Mass.; and S. B. Dicks of Cooper, Taber & Co., London, Eng. F.

#### Boston.

This has been a busy week for the city florists. Every Knight Templar Commandery had a headquarters, and every headquarters had to be handsomely decorated. It was not all hunting, for thousands of yards of laurel festooning were used, and palms were in great profusion everywhere. The Kansas headquarters, decorated by Norton Bros., was one of the most elaborate. Large quantities of sunflowers were introduced, and must have made the place look quite home-like to the brethren from the far West. Ex-President Jordon of the S. A. F. was seen marching in the ranks under the



St. Louis banner, and looked every inch a soldier. Other visitors to Boston this week were Messrs. Rennison and Wilcox from Sioux City and Mr. and Mrs. E. A. Wood from Denver. These people all accompanied the Boston party home from the Pittsburg convention, and were a most welcome addition to the company.

At Horticultural Hall on August 24 there was a very extensive and brilliant display of asters. Premiums were won by Jos. H. White, J. S. Fay, N. T. Kidder, Mary T. Goddard and E. S. Converse. Harvard Botanic Garden exhibited Agave Kerchovei and E. S. Converse showed a fine specimen of *Gymnogramme peruviana*.

On Saturday evening, August 24, Mr. John Montgomery, of Montgomery Bros., while riding on his bicycle, collided with a carriage and received a terrible wound in the side. He is in a very dangerous condition, but there is some hope for his recovery.

A Native Mushroom Society is to be formed in Boston.

New York.

There are as yet but few indications of reviving business, although the members of the craft who have been off on vacations of greater or less extent are now returning and getting ready for fall trade. Roses are beginning to improve in quality very decidedly, especially Brides, Bridesmaids, Testouts and Kaiserins. But few really good American Beauties are seen yet, and for these there is a good demand, but prices do not run above fifteen cents for the best of them. Carnations are rather poor as a rule, and there is but little demand. The market is overloaded with gladioluses, asters and other cheap flowers which are disposed of at any price obtainable.

The boys feel rather disappointed at their failure to score a triumph in the bowling at Pittsburg, as out of such a large delegation as this city furnished it would seem as if a winning team ought to be possible. Capt. Leuly is already planning how he is going to do it next year.

The North Hudson County Florists' Club will hold a chrysanthemum show in West Hoboken on November 7-8. Fred Lehnig, Hackensack, N. J., is secretary of the club, and from him schedules may be procured.

St. Louis.

Cooler weather of late has improved business. The demand for stock was good last week, and goes to show that they all had something to do more or less. Prices have not changed from last week.

At the opening of the Grand Opera House Sunday night with a St. Louis play a wagon load of flowers was seen, made up in designs of all kinds, sent by the different friends of the company. By next week all the theaters will be open, followed by the Exposition, and business will then revive, at least we hope so.

Frank Beyer, son of Carl Beyer, is very sick at home; we hope to see him out again soon.

John Young and family returned from Atlantic City Saturday; they look well after their month at the sea shore.

Invitations are out for the sixth annual banquet to florists, nurserymen and gardeners, provided for by the will of Henry Shaw; it will be given at the University Club Saturday evening, September 14.

Chas. E. Hausman opened his floral and confectionery store August 21 with a band of music and bouquets.

The committee in charge of the chrysanthemum show have everything in good running order. A new feature of this year will be that every exhibitor will receive a prize according to worth of exhibit. Manager Michel says that to his mind the show will excel any previous efforts; they have now over \$600 subscribed, not including the Shaw premiums, which are \$500 more, making in all \$1,100. This is a good beginning, and they say that they are not done with subscriptions yet.

At the annual harvest gathering of the St. Louis Schwaben Verein the assembly hall at the park was handsomely decorated. A large column 36 feet high made of all kinds of vegetables in different shapes was the work of the Beyer Bros.

The Bowling Club's roll August 21 resulted in a victory for the Japs; the score was 2,555 for the Japs and 2,249 for the Chinese, C. Beyer making 231, 224 and 237; in the three games his total was 692. The next best three games, rolled by J. J. Beneke, were 236, 185, 162, total, 583. Some of the boys are talking of having the ladies come out some Wednesday night and roll with us, and perhaps organize a ladies' bowling club. Here are the scores of Wednesday night's roll:

JAPS.									
	1	2	3	TOTAL					
J. J. Beneke	236	185	162	583					
C. Beyer	231	224	237	692					
H. Young	143	123	170	436					
F. Fillmore	117	141	110	368					
C. C. Sanders	163	182	131	476					
Totals	890	855	800	2,555					
CHINESE.									
	1	2	3	TOTAL					
C. A. Kuehn	163	181	138	482					
A. Waldbart	124	114	124	362					
E. Schray	180	210	146	536					
J. W. Kinnz	151	151	123	425					
D. Helwig	150	162	132	444					
Totals	768	818	663	2,249					

J. J. B.

Buffalo.

The delegation from Pittsburg arrived home in disjointed parties. A few left Thursday night, another party left Friday night, and the rear was brought up by the stragglers on Saturday. The boys seem much elated over their success on the bowling alleys, and the older members seem equally pleased over other successes. Not one of our party but what is loud in praise of Pittsburg and her generous, hearty welcome to all visitors. No one was too obscure or insignificant to be noticed by the local club, and that made everybody feel good. I am not writing Pittsburg recollections, so must only say that Mr. Gibson's lecture was worth all the expense of the journey there. May it have quickened some dull souls to thoughts of mighty truths and made them better men and women by such light revealed.

We found our city jogging along as usual. A rather heavy demand for funeral work occurred the end of the week through some sad fatalities in our harbor; eleven men upset in a squall and seven of them were drowned a few yards from shore in the swift-running Niagara. With the exception of the above class of work there is very little doing. Plenty of rain has helped outside stuff wonderfully. Asters, gladiolus, dahlias, and all other such stuff is very abundant. Glass-grown carnations are getting very scarce. We can afford to give them a rest, and the public will want them all the more when October comes. The plants in the fields have made a wonderful growth the past

three weeks, and the chickens having overcome the grasshoppers a much brighter prospect is in view than this time last year.

Just before we started for Pittsburg we had a call from Philip Breitmeyer, of Detroit, and were very much pleased to have such a real live florist call.

Mr. and Mrs. F. C. Weber, of St. Louis, returned from the convention via Buffalo. If I were to tell you all the pleasant things they said of our beautiful city you would think I had manufactured them myself.

Mr. and Mrs. C. F. Christenson and son spent a week at Atlantic City instead of Pittsburg. I suppose it suited Mr. C.'s retiring disposition better than the hustle and bustle of a convention. We expected at least half a dozen Torontonians would pass through Buffalo to and from the convention, but alas, not one was in evidence; too bad. The Dominion was represented by Mr. McLean, of St. Thomas, alone, and I think he was well pleased. W. S.

Chicago.

Business was a little better on Friday than it had been the earlier part of the week; the stormy days kept things quiet. Shipping trade seems to be reviving, and the outlook is better in the city, though most of the business is confined to funeral orders. In roses Kaiserin is fine with long stiff stems, and Meteor is good also; Testout is reviving in quality; \$2 50 a hundred is the usual price. Beauties are not first-class; there is a limited number of good flowers, held at \$2 a dozen, but the average are only worth 75 cents to \$1.25. The foliage often shows traces of mildew, and the flowers are poorly colored. Carnations have suffered a good deal from the heavy rains, which have soiled and discolored the outside stock, and texture is flimsy from the same cause. Daybreaks are very abundant at 50 cents, selected stock in white and red varieties running 75 cents to \$1.

Asters have shortened in supply, and common stock brings 50 cents, while extra quality in white and deep purple brings \$1. They have not been overplentiful this season at any time, and are now decidedly short. Some very fine hydrangea sells readily at 50 to 75 cents a dozen heads. Gladiolus is still a glut, the best select bringing only 25 cents a dozen. Sweet peas have disappeared the last few days, but without doubt they will come in again after the rain.

The wholesalers and retailers will play their final ball game at Riverside September 1, and will add to the attractions of the game by a picnic. All their friends are cordially invited, and it is hoped that the ladies will be present in numbers; a very agreeable afternoon is assured.

H. J. Viberts and W. C. Philpott have formed a partnership under the firm name of Viberts & Philpott at 318 55th street, city. They will do a general retail business. W. A. Viberts is manager.

O. W. Frese, formerly manager for Reinberg Bros. cut flower department, has taken a similar position with W. E. Lynch.

Adam Zender has put up houses for cut flower growing at Rogers Park in addition to his other establishment at High Ridge.

At the meeting of the Florist Club last Thursday night after listening to the reports of the Pittsburg convention by those who had attended, and disposing of routine business, the members decided that it would be a good plan for the club to make arrangements for an excursion





A WASHINGTON FLORAL STORE.

of the members and their families to the drainage canal, that all might have a good opportunity to inspect the wonderful engineering work there in progress. Details will be arranged at the next meeting, which will be held September 12.

There were only three members of the bowling club on hand, but they played a series of three games just the same. Following are the scores:

			Average
J. S. Wilson . . . . .	164	166	156
G. L. Grant . . . . .	216	218	178
A. Ringier . . . . .	199	141	160
			162
			204
			166

At Morton Grove Poehlmann Bros. have put up a new range of seven houses 18x140 for roses, one 10x140 for ferns, and one 10x125 for propagating, giving them a total of between ninety and one hundred thousand feet. The new range will be heated by steam with Kroeschell boilers. Among other improvements at Morton Grove G. H. H. has put in a new steam boiler, and Kirscht & Co. are rebuilding some houses.

At Argyle Park Stollery Bros. have added a new rose house 72x15, and a violet house 72x6. They find business better this year than last, the demand being for good stuff.

Visited Chicago: J. F. Wilcox, Council Bluffs, Iowa; J. C. Rennison, Sioux City, Iowa; Mr. and Mrs. E. A. Wood, Denver, Colo.; Perry C. Gallup, Denver, Colo.; C. B. Whitnall, Milwaukee, Wis.; Jos. Wagner, Beaver Dam, Wis.; S. A. D. Rogers, Anna, Ill.

Rochester, N. Y.

Our assistant superintendent of parks, Mr. J. O. Dunbar, after visiting Pittsburg

and the convention will take an extended trip to Washington, Baltimore and other places, inspecting the parks and park systems of these cities. He will also visit the large estate of Cornelius Vanderbilt called Biltmore, near Asheville, North Carolina. As there is but a very small balance of park funds available at present many of the park employees have been discharged in order to reduce expenses, but it is to be hoped that our city fathers will vote for additional funds in the near future, so that the much needed improvements and the laying out of roads, etc. can go on. As things stand at present Mr. Dunbar could well afford to be absent for a while, because no new work is going on nor is there any prospect of resuming work for the next few weeks.

Mr. Maloy of Ellwanger & Barry's nurseries visited Pittsburg during the convention, and Mr. Ed. Vick came near forgetting to go there, so busy was he practicing at the Rochester florists' alleys. It was nearly Wednesday before he remembered that it was time to go, but he lays it all to Al. Salter, who kept him at the alleys and never told him what time it was, and then the score always stood against him too.

Many florists in the neighborhood are now housing some of their carnations; the plants are in most cases smaller than in former years, but they are healthy and clean. Some of the early planted roses are beginning to bloom and the retailers are happy over the fact that the days for small roses are nearly over.

Trade has kept up well for the past week and wholesaler as well as the retailer are glad that the dull season is

nearing the end. Flowers, especially outdoor stuff, are very plenty and of good quality; the late rains and fine weather we have had improved size and color of all such stock, and although no fancy prices can be demanded for them, the quantity disposed of leaves a handsome little profit for the retailer. J. B. K.

#### A Washington Floral Store.

We present herewith an engraving from a photograph of a portion of the interior of the store of Messrs. J. H. Small & Sons of Washington, D. C. The store when photographed was in summer dress and does not make so pretty a picture as it might otherwise, but the object of the illustration is to show the arrangement of the store itself as a suggestion to others. Those in the trade will have no difficulty in understanding the various details shown in the picture.

St. Paul.

While there is no great activity in florist circles, trade is fairly good. Funeral work constitutes the bulk of it at present. Roses and carnations are quite scarce. Sweet peas and asters are abundant, and sell at ruinous prices. In potted plants there is but little sale for anything, and asters go a-begging for customers. The weather during the months of July and August has been very favorable, and all outdoor stock has made good growth. Carnations are extra nice this year, and should make grand plants for winter blooming.

In the line of building nearly all of the

growers here have been doing something. Repairs, alterations and additions are in order at most establishments. E. F. Lemke has remodeled and rebuilt several old houses, built one new one, sunk a drive well, erected a wind mill and tank.

Hangen & Nelson are enlarging and repairing their violet house. Seeger & Heisekorn are building a new house, Chris Hansen a fine residence adjoining his range of glass. L. L. May & Co. are erecting two new houses, besides re-arranging several old ones, increasing their watering capacity, and repairing and resetting their boiler pumps. A glance through their greenhouses shows an extra fine lot of roses just coming into bud, besides a large stock of 'mums, both in pots and benches.

We were sorry to have our twin cities so slimly represented at the convention. As the convention in 1896 will be somewhat nearer home we will promise in advance a better attendance.

The Florists' Association of this state will meet next month to elect officers and organize for the winter work. We hope to see a strong society maintained.

The writer has just returned from a month's vacations in western New York, where he had the pleasure of meeting Pres.-elect Scott, D. B. Long and others in the craft FELIX.

#### Pittsburg.

On Friday morning, the 23d, a large number of the visiting members of the S. A. F. accepted the invitation of Mr. Geo. Lappe, president of the Lutz Brewing Co., in Allegheny City, and paid a visit to the brewery, where refreshments were served, speeches made, and all had a very pleasant time, arriving at the wharf a short time before the boat started on the excursion. There were about seven hundred on board on the afternoon ride, the wives, daughters and lady friends of the local club members turning out in goodly numbers. They went up to Homestead, and on arriving were taken in charge by guides from the Carnegie works and shown through the immense establishment, seeing the process of rolling and finishing the large armor plates. This trip proved to many one of the most enjoyable features of the entertainments provided by the local club, although it was extremely hot for some in the mill. A little after six the boat returned to the city, where a large number bade us farewell, but all expressed themselves as having had a most delightful week, and a much better idea of the city of Pittsburg, and vicinity, its resources, business and social features than they had before. A number who could not go with us in the afternoon came on board and a trip to Davis Island Dam, six miles below the city, was taken. Those who liked dancing had the opportunity to indulge, and the floor was well filled most of the time. Shortly after nine o'clock the boat landed all, and the convention of 1895 was at an end. The members of the club here were a tired, but happy crowd, satisfied that everything had gone off without a hitch or an accident, and judging by the expressions of the visitors they were every one of them thoroughly well pleased and satisfied with the reception given them by the Pittsburg and Allegheny florists.

The club held a meeting on Tuesday evening at the Hotel Schlosser, when everything connected with the affair was settled, and a vote of thanks tendered to Mr. O'Brien of Sharon, Pa., and Messrs. Rice & Co. of Philadelphia for decorations donated and used on the boat. Several

names were handed in for membership, and more to come at the next meeting. It is to be hoped that the members will keep up the interest displayed for some time, and make this club one of the best, if not the best, in the country.

The members report trade fair. Carnations are very plentiful, and asters coming in, some very fine. Gustave Ludwig showed on Tuesday at his stand some very fine Belle Siebrecht roses, the first in the market of that variety. He, as well as his brother E. C. Ludwig, fixed up their stands very handsomely in honor of the S. A. F., the design work of the seal of Allegheny City being especially fine; it is a keystone in shape with log cabin in center; the design was four feet in length.

REGIA.

#### San Francisco.

Business is about the same as last report. The quality of the stock has improved materially since last writing. The asters, especially Semple's strain, are grand; they are so large that they can hardly be told from chrysanthemums. These come from M. Lynch's place at Menlo Park. The album and rubrum lilies are also very fine, broad petaled and of fine markings.

Chas. Coop and A. Seelig have formed a co-partnership and have started in business at Ocean View, a town a few miles out of the city. They intend to grow the California violet for market principally, although other varieties of violets will also be grown.

California has lost a great botanist and the trade a very interested friend in the removal of Prof. Greene, the distinguished botanist, from the University of California to the Catholic University at Georgetown. Strenuous efforts were made by the board of directors to retain him in California, but of no avail. Prof. Greene takes with him the good wishes of the trade.

We received a visit this week from Prof. W. W. Tracy, superintendent of the seed growing department of D. M. Ferry & Co. of Detroit, Mich. This was Mr. Tracy's first visit to California, and he's fallen in love with its advantages as a seed and flower growing country. Mr. Tracy was struck with the beauty of the famous J. C. Flood residence at Menlo Park, which he claims surpasses all other private residences in America, even that of Walter Hunnewell.

Mr. George Ernst has returned to his post after a few weeks trip to Southern California. METEOR.

#### Worcester, Mass.

No material change in the aspect of trade; the usual call for cut flowers with now and then a funeral order. The aster beetle is here and playing the very mischief with the flowers. Hand-picking seems to be the only remedy, and we find that early morning is the best time to catch them.

Thursday, August 15, was the date of one of the finest exhibitions we have had this season, and the public was in attendance in large numbers. The display of cut flowers was unusually large and fine, and gladioli, salpiglossis, sweet peas, wild flowers, etc., made a very fine display.

Mrs. Ellen M. Fisk of Lakeview is putting up a 96x30 house for carnations.

People are gradually returning from the summer resorts, and consequently business is improving in some respects. Good flowers are abundant, roses are rather short stemmed, but otherwise very fair.

Carnations of good quality are coming in still, and asters, gladioli, sweet peas, feverfew, etc. are plentiful. The passing of the various delegations of Knight Templars through the city bound for the Boston conclave brought a brisk demand for cut flowers for decorations.

The largest midsummer exhibition ever held by the Horticultural Society was the aster show on Thursday, August 22. Although this has been a hard year for asters some splendid displays were made and more than 1,000 vases of flowers were shown. Besides the asters splendid gladioli and perennial phlox were shown.

Lord & Burnham are putting up houses for Hon. Stephen Salisbury and M. J. Whittall. A. H. L.

#### Omaha, Neb.

The cut flower trade for July was very quiet, but the fore part of August very satisfactory and up to expectations, principally funeral work. Supply of roses and carnations equal to the demand, very little, if any, stock being shipped in. Abundance of gladioli, gaillardia, sweet peas, tuberoses, etc.

There has been an unusual amount of activity among the florists this summer in the way of building and repairing; they say the "pinch" is over and they are willing to put more capital into their business. Most of the growers are building from one to three new houses and all are repairing.

J. F. Wilcox of Council Bluffs, Ia., was over calling on the florists the early part of last week.

A. Donaghoe has moved his retail store from 105 South 15th to 109 South 16th street, with his son Alfred in charge. Mr. Donaghoe is building two new rose houses this summer.

Miss Katie Parker, formerly at 205 N. 16th street has taken more commodious quarters at 1611 Douglas street.

Lewis Henderson has moved his greenhouses from 1910 Sherman avenue to 25th and G streets, South Omaha, with a retail place at 222 S. 16th St., Omaha. Mr. Henderson is going to add two more houses this fall, one for carnations 100x20 and one for violets 100x12.

J. W. and E. E. Arnold have about completed the repairs on their houses, which were damaged by the recent hail storm. They lost all their glass and the plants were badly damaged. They have opened a downtown store at 119 North 15th street, in charge of Miss Cassie Arnold. J. W. Arnold is recruiting among the hills of Wyoming.

E. C. Erfling has moved his houses from 1156 North 16th street to 1910 Sherman avenue, the site formerly occupied by Lewis Henderson. Mr. Erfling lost 3,500 feet of glass by hail and his stock of plants was almost totally destroyed. He had no insurance, as his houses were not yet completed.

C. D. Sutphen has replaced his private conservatory, which along with the stock of plants was destroyed by fire during the winter months.

Mr. Ernford is going back into the florist business. He has rented his plant for several years past, the last tenants being the Otto Buesick Floral Co., which failed early last spring. He lost all his glass by hail, but is reglazing and refitting his houses throughout, getting ready for active business again.

Ederer & Son, 30th and Bristol streets, are putting in new benches, also glass that was broken by recent hail storm. Insured on glass only.

Paul B. Flath, who has had charge of

Dr. Mercer's private conservatory for several years past, is preparing plans for houses of his own on 31st and Burt Sts.

Mr. Falconer has taken out a permit for greenhouses near 45th and Mason streets. Mr. Falconer has had charge of A. Donaghue's retail store for several years past.

Mr. and Mrs. S. B. Stewart, who have been spending the past four weeks fishing among the lakes in the northern part of the state, have returned home. They had splendid fishing and a good time in general.

Miss Inez Arnold is visiting friends in Illinois.

Benjamin Haas has added two rose houses this summer. G. R. H.

### New Notes.

HAMILTON, ILL.—V. R. Faught is about to move his business to Peoria, Ill.

MOLINE, ILL.—J. Staack is rebuilding his houses, and adding some new ones.

GALVESTON, TEXAS.—The city council is considering the matter of park improvements.

PEORIA, ILL.—The Park Board has passed an ordinance for a tax levy of \$62,000.

ELMIRA, N. Y.—L. A. Lacharme has added a rose house 28x150 and a violet house 10x150.

SHELBYVILLE, ILL.—E. M. Harwood is adding a carnation house 40x16. Trade here is very quiet.

DAYTON, OHIO.—The County Horticultural Society is arranging for a chrysanthemum show this fall.

PARIS, ILL.—H. D. Caldwell & Co. have added a new carnation house 10x60, heated with hot water.

ELGIN, ILL.—Geo. Souster is lengthening three of his houses 50 feet, building one new house 20x150 and enlarging his office.

MONT CLARE, ILL.—John P. Tonner has added a new 20 horse power boiler and sunk a new well, providing an unfailing supply of water.

ATLANTA, ILL.—C. A. Jones suffered from a severe hail storm in July, which broke one-third of his north-facing glass, and utterly destroyed outdoor stuff.

ELMIRA, N. Y.—Hon. J. S. Fassett is building an iron frame house 20x100, with violet pit and cold house, at his new place recently laid out. John P. Rudy is gardener.

DIXON, ILL.—Davis & Baird have just completed one house 20x100, one 18x100 and one 16x100, short span to south, for cut flowers and general stock; steam heat is used. Business is quiet.

ST. THOMAS, ONT.—Hugh McLean has recently added a new house 16x50 for palms and a 10x40 violet house, planting all his other houses with cut flower stock. He reports business as satisfactory.

MORRIS, ILL.—The Morris Floral Co. is making plans to erect 14 new houses next year. They will increase their capital stock from \$2,500 to \$10,000, and deal in a general retail stock. They report business as good.

BOWIE, TEXAS.—At the ninth annual meeting of the Texas State Horticultural Society officers for the ensuing year were

elected as follows: President, John S. Kerr, of Sherman; First Vice-Pres., F. T. Ramsey, of Austin; Second Vice-Pres., C. W. Wood, of Swann; Sec'y., E. L. Huffman, of Fort Worth; Treas., D. O. Lively, of Fort Worth. Tyler was selected as the place for the next meeting.

EAST NORWALK, CONN.—John McKay of Fitch street, East Norwalk, Conn., died at Wigtonshire, near Strauraer, Scotland, August 2, aged 60 years. Mr. McKay sailed for Scotland July 10 for the benefit of his health, but shortly after his arrival he caught a heavy cold which developed into pneumonia. His business, which was a large and profitable one, will be carried on by his widow.

### Slate for Benches.

A correspondent from McKeesport, Pa., wants to know about the advisability of using slate for benches, and says: "I can get slate from 1/4 to 5-16 inch thick, 12x24 for about 3 1/2 cents each. Would they be as good or better for pot plants, and for soil on the benches can I get drainage enough?"

It seems to me that at the price quoted the slate would be about as cheap as hemlock boards one inch thick, and for benches for pot plants most desirable, and probably twice as durable as boards. By all means use them for the pot plant benches. For crops that are planted out, such as roses, carnations and violets, I cannot recommend them, and would not advise their use. The difficulty of drainage could be overcome by keeping the slates apart enough to let the water pass away, say 1/2 to 1 inch space, but the roots of plants don't like the slates, so don't use them for the bottoms of benches for planted out crops. W. S.

### The Black Calla.

Will some reader of the FLORIST who has bloomed the black calla tell how it is done, or what temperature or soil is required to bloom them? Have grown them three years without success.

M. E. P.

### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

SITUATION WANTED—As foreman in a large wholesale place. FLORIST, care American Florist.

SITUATION WANTED—In large store by a young man as cut flower artist.

A. B., care American Florist.

SITUATION WANTED—By a young woman, assistant in greenhouse—experience chiefly with carnations—or work in office, or both; state wages. Address M. ADAMS, Box 152, Canaan, Conn.

SITUATION WANTED—By a young man, 8 years' experience in growing roses, palms and general collection of plants. References. State wages. Address CHAS. RUSCH, Bloomington, Ill.

SITUATION WANTED—For the first of September by a married man, expert in growing grapes in greenhouse, and general stock; best of reference. ED. LEROT, 104 Stevens Ave., Joliet, Ill.

SITUATION WANTED—As manager or foreman, by a thoroughly practical grower of roses, carnations, etc., decorative and bedding plants; 17 years' experience; age 32; married. Address DESIGNER AND DECORATOR, care Am. Florist.

SITUATION WANTED—By florist of experience; good knowledge of all-round greenhouse work, designs, store and floral work, growing, etc.; young, single, learned his business in Europe; good references. Address J. T., care American Florist.

SITUATION WANTED—By florist, married man, 57 years' experience in largest nurseries of Europe, good grower for market and wholesale trade, wishes engagement; good testimonials. Address LOUIS BALINGRE, care H. A. Dreer, Seedstore, 711 Chestnut St., Philadelphia.

SITUATION WANTED—Practical English gardener and florist with life experience, in England and America; married, two children; desires situation, near New York preferred. Has held the best positions in the west. Thoroughly understands the laying out of grounds. All rose and carnation grower. Can bring undoubted references. Also second man advertiser, prefers a private place where the services of a pushing, practical gardener would be appreciated. Was for 5 years with B. S. Williams, London, England. Address in first instance. GARDENER, care G. Taylor, Elmhurst, Ill.

WANTED—Agents to sell Child's Rainmaker nozzle. M. M. JONES, Gen'l Agent, 6122 Oglesby Ave., Chicago.

WANTED—Catalogues of nursery stock. Address CHAS. MECKENHAUSER, 507 Ninth St., Milwaukee, Wis.

WANTED—1200 feet second-hand 4-inch hot water pipes. Must be cheap. Address A. KLOPFER, 208 Smithfield St., Pittsburg, Pa.

WANTED—Small steam boiler, capacity of 500 feet radiating surface, for heating dwelling, for hard coal. F. E. CARR, Lakewood, Ohio.

WANTED—Competent stenographer with good knowledge of the seed business. Address, with references and stating salary expected, A. Y. Z., care American Florist.

WANTED—An experienced salesman for flower store. Must be an adept at arranging flowers and plants. A New York, Boston or Philadelphia man preferred. A good position to the right man. Position ready October 1st. A. M. & J. B. MURDOCH, Pittsburg, Pa.

FOR SALE—Boiler, 18 foot, 2 blue, horizontal, suitable for greenhouse, cheap. McDONALD BROS., Columbus, Ohio.

FOR SALE OR LEASE—Three greenhouses, 75x16, with stock therein, shed, barn, etc.; old established business in good location; easy terms. Address ALFRED HAMLIN, Kansas City, Mo.

FOR SALE—Florist business, 5 houses, 8,000 square feet of glass, fine stock, good location, good market, city 20,000 inhabitants; good reason for selling. KEENECKE & WENDORFF, Green Bay, Wis.

FOR SALE AT A BARGAIN—Good reasons for selling a good place; houses well stocked, 2,000 field grown carnations, best varieties; 1,000 roses on benches; 1,000 suitcases, 800 palms, over 100 cycas, palms, 2 houses new short span to south, 21x50 feet, 11x75 feet; boiler house 2 x30; have boiler and pipe, wind engine and tank, water piped in greenhouses and field; have new dwelling house, 5 large rooms, 1 small room, 7 squares from court house; 5000 population; no other houses, use natural gas for fuel, \$4.10 per month for boiler, a complete stock. Price \$2,000; \$300 down, balance in payments, to run 6 years if wanted. Write for full description of place and stock, a fine place. Address FLORIST, Lock Box 16, Portland, Ind.

### FOR SALE BOILERS.

Several good second hand tubular boilers, 30 to 40 H. P., in good order; just the thing for greenhouse heating, either for steam or hot water, will be sold cheap. Cleveland Steam Boiler Works, Center Street CLEVELAND, O.



## G.C. WATSON

WHOLESALE SEEDSMAN AND COMMISSION MERCHANT

43 North 10th St. PHILADELPHIA, PA. U.S.

Send for New Price List of

# Forcing Bulbs, Mushroom Spawn, Etc.

**THE AMERICAN FLORIST**

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

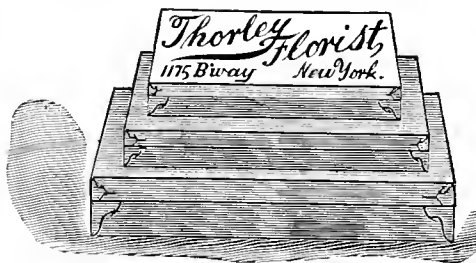
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure  
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

OUR HORTICULTURAL MAGAZINE is the  
title of a new quarterly publication edited  
by E. G. Mendenhall, Kimmundv, Ill. It  
is devoted especially to the fruit interests.THE TRI-CITY FLORISTS' CLUB will hold a  
chrysanthemum show in the Library  
Hall, Davenport, Iowa, November 12-15.  
They have issued a neatly arranged pre-  
mium list, its only defect being the omis-  
sion of the secretary's name and address.THE MISSOURI STATE HORTICULTURAL  
SOCIETY has issued its thirty-seventh  
annual report in a well printed volume of  
nearly 400 pages. The report includes all  
the essays and proceedings of the society  
for the year 1894. It may be obtained  
from the secretary, L. A. Goodman,  
Westport, Mo.THE REPORT OF THE BOTANICAL DE-  
PARTMENT, New Jersey Experiment Sta-  
tion, for 1894, contains a variety of in-  
formation on fungous diseases of fruits,  
vegetable and ornamental plants, which  
possesses great value to cultivators. Dr.  
Halsted's researches are familiar to read-  
ers of the FLORIST, and the clearness and  
simplicity with which the various pests  
troubling greenhouse plants are described  
render them within the comprehension of  
unscientific readers. A series of experi-  
ments with violet disease and details of  
blight attacking chrysanthemums and  
other plants will be found very valuable.  
A list of poisonous plants found in New  
Jersey, and a report on the Russian thistle  
and thistle-like plants, is most interest-  
ing. The report is freely illustrated.

Cleveland.

Charles Erhardt has increased his facili-  
ties by taking the store adjoining his pre-  
sent one. By this addition he figures to  
have sufficient floor space to handle his  
trade to good advantage.The Cleveland Floral Company, which  
occupied room next door to Erhardt's  
addition, has retired from the field, at  
least so far as store keeping is concerned.  
The firm will hereafter confine its atten-  
tion to the greenhouse end of the business.Ed. J. Paddock has gone to West Vir-  
ginia to chase the agile deer. We incline  
to the opinion that those deer could come  
pretty near proving an alibi, at least it  
will take pretty strong evidence as to  
Brother Paddock's prowess, in order to  
convince the doubters in this vicinity.Business is very dull; in fact, to ask  
anyone how business is, merely provokes  
a dull stare, while the interrogated party  
ejaculates, "Business! What's that?"A delegation of fifteen or twenty went  
to the convention from here or hereabout,  
and returning, report a very satisfactory  
time in every respect. They speak in  
terms of particular approbation regard-  
ing Pittsburg's atmosphere—a good,

The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**NEW YORK SALESROOM:  
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

When writing mention the American Florist.

**Hardy Cut Ferns,  
BOUQUET GREEN,**Laurel and Green Festooning, Wreaths, Etc.  
SPHAGNUM MOSS IN ANY QUANTITY.**H. E. HARTFORD, 18 Chapman Place, BOSTON.**thick solid article with plenty of heft to  
it. We keep a pretty fair brand ourselves  
and trust that next year, when the con-  
vention comes here that big delegations  
from everywhere will come to sample it.  
We do not mean thereby to say that  
entertainment will be confined to that  
unsubstantial but necessary substance.  
On the contrary we hope that we shall  
worthily maintain the Forest City's  
reputation as a good place to come to.  
We have a beautiful city with a magnifi-  
cent summer climate with other refresh-  
ments on the side, and it is hoped that  
everybody will make plans to attend;  
don't say to yourselves you will come if  
possible. Figure ahead a little, determine  
now that you are coming, and it will sur-  
prise you to see to what extent a little  
forethought between now and next sum-  
mer will aid in bringing your work into  
such shape that you can leave for a few  
days to visit us. A.

Los Angeles, Cal.

West Lake Park has been enriched and  
beautified by the addition of some fifteen  
year old palms. Among the number we  
noticed some fine *Chamaerops excelsa*  
from 12 to 15 feet high. *Phoenix canari-  
ensis* has fine large trunks and another  
year's growth will make them quite orna-  
mental. *Magnolia grandiflora exoniensis*  
twenty feet in height will be greatly ad-  
mired when it produces its next crop of  
blooms, many of which will exceed one  
foot in diameter; some of these specimens  
when ready for removal weighed over two  
tons. An immense sycamore tree which  
at one time was over 125 feet in height  
and according to Indian legends was more  
than 400 years old was recently cut down  
to make way for new buildings demanded  
by the onward march of civilization. W.

Davenport, Iowa.

Mr. Chas. Dannacher has made exten-  
sive improvements about his greenhouses,  
a new mammoth chimney, an office and  
a dwelling house for his employees being  
the extent of his building operations this  
summer. Mr. Dannacher is cutting some  
fine Brides, Perles and La France, and his  
house of Beauties looks exceptionally fine  
for the season.Mr. Bills has likewise overhauled his  
greenhouses, having made ample prepa-  
rations to meet the increased demand for  
cut flowers. Both report trade as fair  
and very promising. X.**"The National"**Folding Flower Boxes are the best  
and most convenient ever put upon  
the market. They are made from  
board, manufactured especially for  
these goods, and made so as to resist  
moisture, thereby keeping the flow-  
ers fresh, and the box holding its  
shape.**THE NEW YORK  
CUT FLOWER CO.**The above company, composed of the  
leading growers in the vicinity of New  
York, are now prepared to arrange for  
selling Cut Flowers of every class on  
the co-operative plan, and invite all  
growers to join us; guaranteeing them  
the best prices obtainable according to  
the market rates, and full returns for  
the same weekly.**OUR MOTTO: Fair Dealings, Open Books  
and Prompt Payments.****PROFITS DIVIDED PRO-RATA.****ERNST ASMUS,** President.**JOHN N. MAY,** Vice-Prest.**PAUL M. PIERSON,** Sec'y & Treas.**Directors.**  
Ernst Asmus,  
Eugene Dailledouze,  
Geo. W. Hillman, Jr.,  
John N. May,  
Frank McMahon,  
Louis M. Noe,  
S. C. Nash,  
Paul M. Pierson,  
Geo. Saitford,  
John H. Taylor,  
C. W. Ward.

Mention American Florist

**W. ELLISON,  
WHOLESALE  
Cut Flowers & Florists' Supplies**  
**WIRE DESIGNS.**  
**1402 PINE STREET,  
St. Louis, Mo.****C. A. KUEHN,  
(Successor to ELLISON & KUEHN.)  
Wholesale Florist,  
1122 PINE STREET,  
ST. LOUIS, MO.**

A complete line of Wire Designs.

**H. L. SUNDERBRUCH,  
Wholesale Florist  
4TH AND WALNUT STREETS,  
Cincinnati, O.****SAMUEL S. PENNOCK,  
Wholesale Florist  
REAR OF 42 S. 16th STREET,  
Philadelphia, Pa.**



**E. H. HUNT,**  
**WHOLESALE FLORIST**  
 68 Lake Street, CHICAGO.  
**WHOLESALE CUT FLOWERS.**  
**SEEDS, BULBS AND ALL**  
**FLORISTS' SUPPLIES.**

During July and August our store will not  
 be open after 6 p. m.

**KENNICOTT BROS. CO.**  
**WHOLESALE CUT FLOWERS,**  
 and **FLORISTS' SUPPLIES.**  
 84 & 36 RANDOLPH STREET,  
 CHICAGO.

**T. J. CORBREY,**  
**Wholesale Commission Florist,**  
 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and  
 delivered on time, send me your orders and you will  
 get what you want.

We are now prepared to furnish Florists' Wire  
 Designs and a full line of Florists' Supplies.

WRITE US FOR OUR ILLUSTRATED CATALOGUE.

**Bassett & Washburn,**  
 Successors to J. B. DEAMUD & CO.  
**CROWERS and**  
**WHOLESALE CUT FLOWERS,**  
**DEALERS in**  
 34 & 36 Randolph Street,  
**CHICAGO.**  
 Corner Wabash Ave.  
 HEADQUARTERS FOR AMERICAN BEAUTIES.

**A. L. RANDALL,**  
**Wholesale Florist,**  
 126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers

**Reinberg Bros.**  
**WHOLESALE CUT FLOWERS,**  
 51 WABASH AVENUE,  
 Telephone Main 4937. **CHICAGO.**  
 Our Roses best them all, in quality.  
 Headquarters for fine American Beauties.

**W. E. LYNCH,**  
**WHOLESALE CUT FLOWERS,**  
*Wire Designs a Specialty.*  
 59 WABASH AVENUE,  
**CHICAGO.**

**ROGERS PARK FLORAL CO.,**  
*Wholesale Growers of*  
**CUT FLOWERS,**  
 41 WABASH AVENUE,  
**CHICAGO.**

We are prepared to fill your orders with first-class  
 flowers. Give us a trial order.

**Asparagus Plumosus Nanus.**  
 Cut Strings, 8 to 10 feet long,  
**50 CENTS.**  
**W. H. ELLIOTT, Brighton, Mass.**

©Wholesale Markets.

Cut Flowers.

	NEW YORK	AUG. 27.
Roses, general list.....	1.00@ 3.00	
" Beauty per 100.....	5.00@10.00	
" " ordinary.....	1.00@ 5.00	
Carnations, ordinary.....	10@ .35	
" extra.....	50@ 1.10	
Valley.....	2.00@ 4.00	
Sweet peas, per 100 bunches.....	50	
Anraturum lilies.....	3.00	
Gladiolus.....	.20@ .25	
Smilax.....	.50@ 2.00	
Adiantum.....	8.00@10.00	
Asparagus.....	.75@ 1.00	
	50.00	
	BOSTON.	AUG. 27.
Roses, general list.....	1.00@ 4.00	
" Beauty.....	5.00@25.00	
" " ordinary.....	.25@ .50	
Carnations.....	.75@ 1.50	
Asters.....	.15@ .25	
Valley.....	2.00@ 4.00	
Sweet peas.....	.10@ .15	
Lilies, white Japan.....	3.00	
Gladiolus.....	1.00@ 2.00	
Adiantum.....	.75@ 1.00	
Smilax.....	12.00@15.00	
Asparagus.....	50.00	
	PHILADELPHIA.	AUG. 27.
Roses.....	1.00@ 4.00	
" Beauties.....	1.00@ 4.00	
Carnations.....	.25@ 1.00	
" short outdoor white.....	.50	
Asparagus.....	35.00@50.00	
Valley.....	3.00	
Cattleyas.....	25.00@35.00	
Sweet peas.....	15.00@25.00	
Smilax.....	15.00@25.00	
	CHICAGO.	AUG. 27.
Roses, Beauties long.....	10.00@15.00	
" short medium.....	2.00@ 6.00	
" Large teas.....	1.00@ 2.00	
" select.....	.75@ 3.00	
Carnations, select.....	.75@ 1.00	
" field grown.....	.50@ .75	
Gladiolus.....	.50@ 1.00	
Asters.....	.50@ 1.00	
Hydrangea.....	4.00@ 6.00	
Smilax.....	8.00@10.00	

**GEORGE A. SUTHERLAND,**  
 Successor to PECK & SUTHERLAND.  
 Successors to WM. J. STEWART.  
**Cut Flowers and Florists' Supplies**  
**WHOLESALE.**  
 67 Bromfield St., BOSTON, MASS.  
 New England Agent for the GREAT ANTIPEST.

**WHOLESALE**  
**FLORISTS**  
 JOEBERS IN  
 FLORISTS'  
 SUPPLIES,  
 FLORISTS'  
 VASES.  
 METS,  
 BRIDES,  
 GONTIERS,  
 CARNATIONS,  
 ALWAYS ON HAND.  
 84 Hawley Street,  
 BOSTON, MASS.  
 HORTICULTURAL AUCTIONEERS.

**WELCH BROS.,**  
**Wholesale Florists,**  
 NO. 2 BEACON STREET,  
 Near Tremont St., BOSTON, MASS.

**The Boston Flower Market**  
 is prepared to purchase, on order, and  
 ship Trade orders for Cut Flowers at  
 prices ruling in the market on day of  
 Sale. TERMS STRICTLY CASH.  
 Address **GEORGE CARTWRIGHT, Mgr.,**  
 Flower Market, Park St., BOSTON, MASS.  
 Long Distance Telephone "Haymarket 138."

When you write to any of the ad-  
 vertisers in this paper please say that  
 you saw the advertisement in the  
 American Florist.

**John I. Raynor,**  
 49 WEST 28th STREET,  
**NEW YORK.**

**SPECIALTIES FOR SUMMER**  
**SHIPPING:**  
**AM. BEAUTY,**  
**METEOR,**  
**VICTORIA,**  
**TESTOUT.**  
**SWEET PEAS. EXTRA SPECIAL.**

**THOS. YOUNG, Jr.**  
**Cut Flowers,**  
**WHOLESALE,**  
 43 W. 28th Street, NEW YORK.

**WALTER F. SHERIDAN,**  
**WHOLESALE**  
**FLORIST.**  
 32 West 30th Street, NEW YORK.

Roses Shipped in all points. Price list on application

**Edward C. Horan,**  
 34 W. 29th Street, NEW YORK,  
**WHOLESALE • FLORIST.**

Careful Shipping to all parts of the country.  
 Price list on application.

**JAMES PURDY,**  
**WHOLESALE DEALER IN**  
**CUT • FLOWERS,**  
 57 W. 30th St., NEW YORK.

**JOHN YOUNG,**  
**FINE ROSES**  
**WHOLESALE,**  
 51 West 28th St., NEW YORK.

**THEO. ROEHRS,**  
**WHOLESALE**  
**FLORIST**  
 111 WEST 30TH STREET,  
 Established 1879. NEW YORK CITY.

**JULIUS LANG,**  
 (Formerly with THEO. ROEHRS.)  
**Commission Dealer in Cut Flowers,**  
**WHOLESALE,**  
 53 West 30th St., NEW YORK CITY.

**Chrysanthemums.**  
 Choice varieties for planting,  
 \$2.50 and \$3.00 per hundred.  
**NATHAN SMITH & SON,**  
 Adrian, Mich.



## The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.  
S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-  
bers St., New York, Sec'y and Treas.

### Seed Growing in California.

The Santa Clara valley has been growing garden seeds for more than twenty years. The first prominent grower for market was Mr. R. W. Wilson of Rochester, N. Y., who began seed culture in 1875, working the business up to a farm of about 50 acres, when he sold out to Kellogg & Morse. This firm continued the business for ten years or so, when Mr. Kellogg retired.

One of the specialties of this firm has been onion seed. By continued selection from a Spanish stock known as Spanish King the well known Prize-taker was produced, and similar improvements in self-blanching celery have been obtained in the same way. This progression is secured by careful selection and watchfulness. Thus, in a field of cabbage we notice many tall white stalks standing. These marked some of the most perfect heads, the seed from these being gathered separately and reserved for stock. Every head of lettuce that is not a fixed type of the variety grown is "rogued out," so that the quality does not deteriorate, but improves.

The same thing is done with carrots, parsnips, turnips, radishes, spinach, kohlrabi, and every other seed raised here. Morse & Co. make no effort to raise cheap seed, quality being their object. The same is done with flower seeds. This firm makes a specialty of sweet peas, the new dwarf sweet pea Cupid being one of their productions. The principal farm of this firm is situated a few miles west of Santa Clara, and this comprises a tract of 1400 acres of level alluvial soil, drained by open ditches. Several artesian wells on the highest side furnish water whenever it is needed, but irrigation is not often required, the soil being retentive of moisture.

On visiting this place we first see a big acreage of lettuce, then the monotony is broken by a patch of sweet pea Katherine Tracy. Next is a large patch of celery, followed by the sweet pea Cupid, which blooms so profusely that it looks like a field of snow. The employees of the farm represent varied nationalities, among them a number of Chinese who have been with Mr. Morse ever since he has been in the business; they understand every detail of care and culture, and can distinguish all the delicate differences of varieties. As we go along further turnips, cabbage and kohlrabi show themselves in yellow, and onions by the acre, bearing tall stalks with great white heads. The parsnips and celery stand higher than a man, and are like an impenetrable forest.

Harvesting is now at its height. The long seasons here permit perfect ripening. The entire absence of rain in summer enables the seed to be sun-dried, properly cured, and threshed without danger. The trial grounds are situated in Santa Clara and the more delicate flower seeds are raised on the same place. Morse & Co. are also growing some seeds this year at Los Gatos, below Santa Clara; they have quite a large acreage of onions at this place, and are also trying asters.

Mr. Lester Morse, who has just returned from a European trip, states that in Germany and France they are away behind in sweet peas. He says they still cling to the older sorts, and are reluctant

to give them up for the newer Eckfords, which cost so much more to grow and keep up to the standard set by their originator.

A large brick warehouse at Santa Clara is used for storage and the transaction of business. Most of the eastern seedsmen who have visited this place noted approval of cultural methods and the adaptability of the climate to seed growing. METEOR.

MR. E. SCHAEFFEL arrived in New York August 23 per S. S. Columbia.

BOSTON.—Mr. Robert Farquhar of R. & J. Farquhar sailed for England on the Pannonia August 24.

LOS ANGELES.—Messrs. Edwards & Johnson, the seedsmen, have removed to more commodious quarters; they are now located at 150 N. Main street.

THE Des Moines Seed Company, having a capital stock of \$10,000, has filed articles of incorporation in the office of the county recorder. The incorporators are L. W. Terry and Mr. Kurtzweil.

CAMBRIDGE, N. Y.—The J. B. Rice Seed Company is about to erect two large storage warehouses on the grounds in the rear of the brick building. The dimensions will be 38x192 feet and 38x180 feet. Ground was broken Monday for these mammoth buildings, and a large force of men will be put to work at once. The cellar of the new office is well under way, and the grounds of the seed company will present an active appearance for some months to come.—Troy, N. Y., Press.

### Denver, Colo.

Well, we did not get the convention for '96, but, like the little boy in the Pears' soap advertisement, "we won't be happy until we get it." Look out for us next year.

Messrs. Perry Gallup, E. A. Wood and J. L. Russell represented Denver at the convention.

Mr. Aug. Schenkel is building five new houses at his place on Ashland avenue, Highlands.

Mr. A. J. Graham, superintendent of the city parks, was presented with an elegant gold watch and chain, suitably engraved, by the employees of the city parks, August 16. The presentation speech was made by Mr. J. H. Gallup, president of the Park Commission. Mr. Graham has demonstrated that he is a thoroughly capable man for the position he occupies, and has won the friendship and esteem of not only his employers and employees, but of the public at large, and has shown in the short time he has had charge of the city parks that it is possible to maintain a first-class system of parks even in the great American desert.

Business is dull, but not so dull as last year at this time. The recent Gummy hotel horror, by which twenty-five persons lost their lives, caused quite a large demand for funeral work last week (20th-25th).

A sun flower carnival was held at Colorado Springs last week (22nd) which was largely attended, but as few, if any, other flowers were used the event was not of much interest to florists.

The third annual chrysanthemum show of the Denver Florists' Society will be held November 7-8-9. Considerable interest is being manifested in this show, and it promises to surpass our past efforts in that direction.

A visit to the various floral establish-

ments in and around the city shows a vast improvement in quality and quantity of stock over last year.

The Park Floral Co. are rapidly completing their new houses. September 15 will find them practically under roof for the winter.

Mr. Chas. Mauff has returned from a two weeks' outing in the mountains looking bronzed and hearty, and reports having a good time.

Hall & Pollard, Montclair, are building a new violet house 11x75 feet, and are putting in a larger boiler. X X X.

### Baltimore.

The most interesting item of information at the club meeting was that \$120 had been added to the special premium list through the exertions of Mr. Jno. Donn. The names of the givers were not mentioned, but the money was put up as follows: Fifty dollars, twelve specimens Japanese, twelve varieties; twenty five, fifteen and ten dollars for first, second and third, twelve specimens any variety, fifteen dollars for five plants Ivory. All these are limited to 12-inch pots. Three and two dollars for first and second on seedling of 1895.

The committee in charge are having a hard time to get a suitable hall, the price asked for the most desirable one being apparently extortionate. The following gentlemen were appointed executive committee for the year: Charles Hamilton, Philip Welsh, Edward Kress, Chas. M. Wagner and Wm. McRoberts Jr.

Business in cut flowers continues very dull. Owing to the ravages of a long slender black beetle asters and dahlias are not at all super-abundant. Roses are plentiful, very fine Perles going at two cents.

Weather for the week has been very dry and hot, one shower served to moisten things for a day, but the rains are so circumscribed in extent and limited in time that they don't amount to much.

MACK.



**TRY DREER'S**  
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	Per Doz.	Per 100.	Per 1000.
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" " 7 to 9 " .....	.70	5.25	50.00
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" " 6 to 8 " " " .....	.55	4.00	36.00
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LILIUM CANDIDUM, largest bulbs.....	.40	2.75	22.00
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DUTCH HYACINTHS in separate colors.....	.35	2.50	22.00
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NARCISSUS VON SION, selected.....	.25	1.65	14.00
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" " PAPER WHITE, selected.....	.20	1.00	7.00
" " GRANDIFLORA.....	.25	1.15	9.00
" " CHINESE SACRED.....	.75	5.00	45.00
LILY OF THE VALLEY, best 3 year old pips.....	.20	1.10	9.00
SPIRÆA JAPONICA.....	.60	3.75	32.50
" " COMPACTA MULTIFLORA.....	.75	5.00	45.00
ASTILBOIDES FLORIBUNDA (new).....	2.50	20.00	
TULIPS, single early mixed, superfine quality.....	.15	.75	5.00
" " " " .....	.10	.60	3.50
" " " in 5 separate colors.....	.20	.85	6.00
" " double early mixed.....	.10	.60	3.50
" " finest mixed.....	.15	.75	5.00
CROCUS, in separate colors.....	.05	.30	2.25

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 Seeds, finest Strains.

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Florists and Gardeners trade a Specialty.

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Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 1/4 & 5-inch \$3.50, 20 for \$6; 6 1/2-in. for \$5. All good selected varieties.  
Special sale. Choice Ferns, \$5.00 & \$6.00. **SMILAX**, fine plants in 2 1/2-inch pots, \$2.00 per 100. Send for lists.  
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## San Jose, California.

Business here is practically at a standstill. There is nothing doing whatever. In fact it never has been so dull. The only activity at all is when once in a while a few funeral designs are needed. The stuff coming in is also poor, especially roses. Carnations, asters and sweet peas form the principal stock.

Mrs. E. Schlaudt, of North Second street, is adding several houses to her place to be used principally for roses and carnations. She also intends to grow quite a few California violets.

At G. A. Lehmann's place we found him busily engaged glazing his new carnation houses. He also has begun planting.

A meeting of the directors of the coming "flower fiesta" next spring was held recently to begin arrangements for the grandest flower carnival ever held in California. It was decided to have the big electric light tower all a mass of flowers, and many other features equally as attractive. METEOR.

## Milwaukee.

The color chart is now being recognized as an authority in this city. Country orders and inquiries indicate some activity in county fair interests through several states. The cut flower business is increasing a trifle earlier this season than usual.

We are pleased to have Wm. and Ben Gregory return safe and sound after a pleasant visit they had in Great Britain, also to receive a call from Mr. Bassett of American Beauty fame.

The chrysanthemums are looking pleased since the announcement that we will surely have a show. Florists generally are pleased to know that there is some prospect of the S. A. F. conducting a national show spring and fall. Z.

## Correction.

In Mr. G. C. Watson's adv. on page 100 of last issue the price of freesia bulbs should have been \$5 per 1000 instead of per 100 as it appeared in the adv.

WABASH, IND.—E. F. Overman is building a new house 20x100 for carnations and another 10x48 for smilax.

WARREN, OHIO.—Mr. Rawson Kistner, formerly of Fostoria, O., is now with Geo. W. Giskil of this city.

## 4000 Feet of GLASS

FOR SALE CHEAP.

We have 4000 feet of 8x10 inch glass, single thick, for sale. Price on application.

	Per 100
1500 LA FRANCE, 3-inch pots.....	\$5.00
300 BEAUTIES, 3-inch pots.....	6 00
200 METEORS, 3-inch pots.....	7.00

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## Adiantum Farleyense Fern

3-inch, \$3 00 per doz.; \$20 per 100.  
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The large size of the plants of

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shown there drew forth many expressions of surprise and admiration; while "Honorable Mention" was awarded. NOW READY FOR DELIVERY. Sample on receipt of 10 cts. Lists free.

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LA FRANCE  
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4-in. pots, \$8.00 per 100.  
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Per 100  
BRIDESMAID, 6 to 12 in., from 2½-in. pots, \$3 00  
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KAISERIN AUGUSTA, from 2½-in. pots, 4 00  
BRIDE, good plants from 2-inch pots . . . 3 00  
General assortment in great variety, true to name, fine strong plants . . . \$25 per 1000, 3 00  
PINK CRAPE MYRTLE, bushy plants, from 4 inch pots, budded and blooming . . 8 00  
CASH WITH ORDER.

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\$1.50 per 100; \$12.00 per 1000.  
DOUBLE DAISIES (English), splendid for edging carnation beds, profuse winter blooming—Snowcrest, Longfellow, Snowflake, \$2.00 per 100.  
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Primroses, single flowering.....\$2.25 \$20.00  
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## 6000 Fine Ferns.

### ADIANTUM CUNEATUM.

2-inch pots . . . . . \$5.00 per 100  
3-inch pots . . . . . 7.00 per 100  
4-inch pots . . . . . 10.00 per 100

Also 5000 SMILAX, 2½-inch pots, at \$2.00 per 100, or \$15.00 per 1000.

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# Pansy SEED.

The Best from many Crowers, not the selection from one grower only.

## VAUGHAN'S International,

the best mixture. Trade pkt. 50 cts.; 1/8 oz. \$1.50; oz. \$10.00.

## Giant Mixed,

a very popular Florist's strain. Trade pkt. 50 cts.; 1/4 oz. \$1.50; oz. \$5.00.

## VAUGHAN'S SEED STORE,

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## PANSY SEED. New Crop just arrived.

**CIANT PRIZE PANSY**, most brilliant mixture ever sold, containing the finest varieties in splendid colors and excellent size. Highly appreciated by all who have tried it.

1-4 oz. \$1.50. 1 oz. \$5.00.

**FLORIST'S MIXTURE A No. 1**, very fine mixture of large flowering varieties and choice colors, especially selected for florists' use.

1-4 oz. \$1.00. 1 oz. \$3.00.

Our Pansy Seeds have been personally examined in Germany. Write for pamphlet about "LYSOL" the Ideal Insecticide.

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THE JENNINGS STRAIN OF LARGE FLOWERING AND FANCY PANSY SEED.

New crop now ready. The finest American strain is what every florist wants.

Very finest mixed, all colors, per ounce \$6.00; pkt. 2500 seeds, \$1.00.

The Jennings X X strain, \$8 per ounce; pkt. \$1.00.  
Victoria, bright red ..... pkt. 1.00.  
Pure white ..... pkt. 1.00.  
Finest yellow ..... pkt. 1.00.  
Dr. Faust, black ..... pkt. 1.00.  
Dark Blue ..... pkt. .50.  
The above all my own growth of 1895 from extra selected stock. 1/2 pkts. of any the above, 50 cts.

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## SEED WORTH SOWING and PANSIES WORTH GROWING.

Tested seed (fall 1894) acknowledged as unsurpassed in the market. 3-16 oz. for \$1.00, or 1 oz. for \$4.00.

PLANTS ready now at \$4.00 per 1000, or \$2.50 per 500.

CASH WITH ORDER.

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The finest strain of Pansies in the World.

Introducer and Grower of all the leading Novelties.

Catalogue free on application.

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## EXTRA PANSY SEED.

MAMMOTH SUNBEAM STRAIN.

A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt., 500 seeds, 25 cts.; 3 pkts. 60 cts.; 6 pkts. \$1.00.  
A pkt. of 500 seeds of the new, peculiar and amusing Monkey Face Pansy added to every \$1.00 order.

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## Marie Louise Violets.

Very strong and healthy field-grown plants, \$6.00 per hundred.

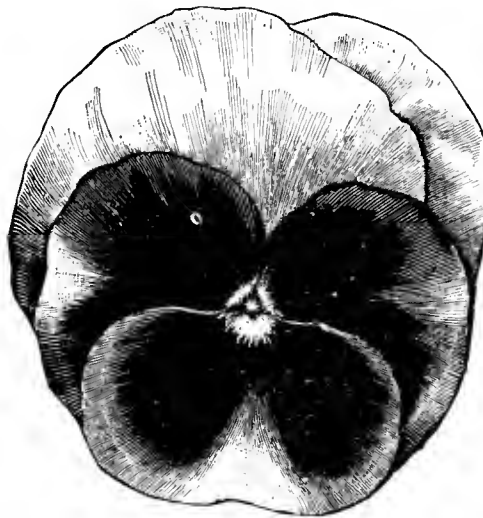
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P. O. Box 592.

SO. NORWALK, CONN.

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## Rölker's Superior PANSY Mixture

Choicest Show Flowers..... oz. 1/4 oz. pkt. \$5; \$1; 20c.

Our above mixture we

## RECOMMEND TO ALL FLORISTS

for its large variety of colors, size and good shape of flowers.

Very Best Selected German Strains: colors separate as follows:

Per oz. \$4.00; 1/8 oz. 75c; pkt. 20c.

Azure Blue	Light Blue
Black	Lord Beaconsfield
Bronze & Auricula	Meteor (red brown)
Dark Purple	Snow White
Emperor William	White, with eye
Gold Margined	Yellow, with eye.

Improved strain of

**BUGNOT**, large flowering, beautifully marked, 1/8 oz. \$1.50; pkt. 25c.

IMPROVED Odier's Five Spotted.....		1/4 oz. pkt.
"	CIANT Trimardeau, finest mixture .....	\$1.00 \$ .25
"	" " " Golden Yellow, dark eye.....	1.00 .25
"	" " " White, with dark eye.....	1.00 .25
"	" " " Atropurpurea, purple violet.....	1.00 .25
"	" " " Ultramarine Blue .....	1.00 .25
"	" " " Lavender and Purple .....	1.00 .25
PRIMULA, Choicest English Strain, from the best named sorts, in mixture (about 250 seeds) .....		1.00
CINERARIA Hybrida Grandi, choicest large flowering English prize strain, of many bright colors .....		.50
CALCEOLARIA Hybrida Grandiflora, best English Covent Garden mixture .....		.50
CYCLAMEN Grandiflora Splendens, pure white.....		100 seeds .75
"	" " " rosy .....	.60
"	" " " bright red .....	.60
"	" " " mixed.....	.60

Roman Hyacinths, Lilium Harrisii, ready for prompt delivery.

## August Rölker & Sons, 136 & 138 W. 24th St., New York.

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## ZINGIEBEL'S GIANT PANSIES

"Huge jewels of velvet and gold."—*Boston Transcript*.

are the finest strains up to date, either here or abroad. Our seed this season is from extra quality flowers, superb coloring and largest size.

THE GIANT FANCY STRAIN, in trade packages of 500 seeds, at \$1.00.

And THE GIANT MARKET, 2000 seeds, for \$1.00 also.

Seeds tested and Satisfaction Guaranteed.

Plants of the above strains for sale at the same rate as the more common varieties. Giant Market, \$5.00 per 1000; Giant Fancy, \$10.00.

With our new system of packing plants can be sent any distance.

PLANTS FOR SALE AFTER AUGUST 1ST.

**DENYS ZIRNGIEBEL, Needham, Mass.**

## Herr's Pansies.

Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

L. B. 496.

ALBERT M. HERR, Lancaster, Pa.

## PANSY SEED.

Our extra selected Giant Trimardeau strain is not grown with intent to sell seed. Recent favorable weather is producing enough for our sowing and to spare. 1/8 oz. \$1.00; 1 oz. \$5.00, cash. Plants of these and other choice collections Sept. onward.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa.

## 20,000 FIELD GROWN CARNATIONS

8,000 Lady Campbell Violets, Strong Clumps

For fall delivery. Please send list of your wants, as stock is for sale.

LADY CAMPBELL VIOLETS from 2 1/4-inch, for benching now. Price, \$5.00 per 100.

BENJ. CONNELL, Florist, West Grove, Pa.

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## Michel Plant and Bulb Co., WHOLESALE FLORISTS.

ST. LOUIS, MO.

## PRIMROSES.

Chinese primroses of the finest strains in cultivation. Flowers large fringed, brilliant colors, twelve sorts. Plants stocky; thrifty, early blooming, ready for three-inch pots.

Price for the single flowering, per hundred, \$2.50

" " double " " thousand, 20.00

" " double " " hundred, 5.00

Address order and remittance (or may be sent C. O. D.)

HENRY S. RUPP & SONS, Shiremanstown, Pa.

## FOR SALE.

5000 MARIE LOUISE VIOLET Clumps, field grown, free from disease, \$5.00 per 100, or \$40.00 per 1000. Cash with order.

GEO. N. SAYLES, 40 Bradley St., Waterlown, N. Y.

## New Notes.

ROCHESTER, IND.—N. A. Euyart has bought the floral business of Mr. Ridgway here.

STEVENS POINT, Wis.—Charles Helm is building a new house 18x70 for carnations and smilax.

ATTICA, N. Y.—The greenhouses lately owned by Frederick Schneider have been sold to Charles Stroh.

CHIESTER, PA.—Chas. Buzby has started in business at 13th and Upland streets where he is building a small greenhouse.

DURBUQUE, IOWA.—Mr. Harkett of the Harkett Floral Nursery has built two additional fair sized houses, one for roses and one for carnations.

LYNDON, ILL.—W. W. & C. W. Noyes have moved from this place to Prophetstown, Ill., where they have built one house for the local trade.

HUDSON, MICH.—C. H. Peck is building another greenhouse 20x75 to be used for carnations; this makes 7,500 feet of glass. He is also running a market garden in connection with his greenhouses.

OWENSBORO, KY.—Henry Nanz, the 18-year old son of C. G. Nanz, the well known florist, died August 5 of typhoid fever. He was a promising young man and much sympathy is felt for his father in his loss.

DENVER, COLO.—The Harrison H. Given Floral Co. has been incorporated with a capital stock of \$10,000. The incorporators and directors for the first year are John Q. Charles, Elijah A. Wood and Harrison H. Given.

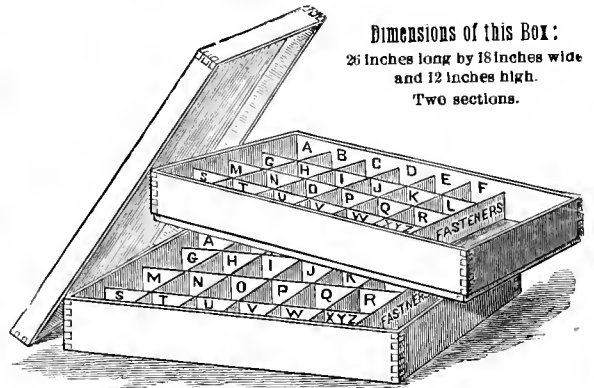
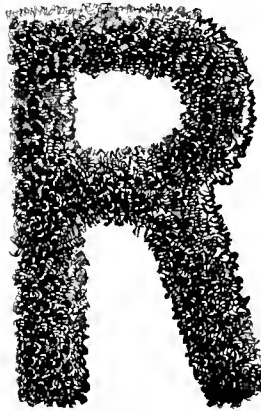
EDWARDSVILLE, ILL.—J. F. Ammann has made several improvements this season, building one new house for roses, 18x125, short-span-to-the-south, and adding a 15 horse power steam boiler and duplex steam pump.

LINCOLN, ILL.—W. H. Gullett & Sons are rebuilding an old house 112x20, which had done service for eighteen years. It was constructed of small bars and 8x10 glass, which had been pretty badly used up by a recent hail storm.

TUSCOLA, ILL.—The Tuscola Floral Co. have remodeled their old houses and added one 40x12 for palms and show plants. They find an increasing call for this class of stock. They will hold a chrysanthemum show November 12 15.

LOS ANGELES, CAL.—The Packard Floral Co., who for the past four years have conducted a retail business on Broadway, have sold out this department to their late manager, Mr. Lewis H. Conklin, who will continue the business. The retiring firm will go into the exclusive wholesale business at their Highland Park nursery, where they will make a specialty of ferns and palms.

CHAMPAIGN, ILL.—The East Side Floral Co. is dissolved, J. E. Yates becoming the purchaser of the place, and the greenhouses have been removed across the street to property owned by the latter. It was a novel sight to see three greenhouses moved bodily a distance over one hundred feet. Thos. Franks has purchased a new site on University avenue, and has put up two new houses, 20x100, short-span-to-the-south butted glass, size 16 by 24, one for roses, the other for carnations. He is also building a new store and office, and next year will remove his whole plant to his new location.



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

## BOSTON FLORIST LETTER CO.

Manufacture THE BEST LETTERS IN THE MARKET.

Sizes 1½-in. and 2-in. 2.00 per 100. Patent fastener with each letter.

OUR NEW SCRIPT LETTER, \$4.00 per 100.

N. F. McCARTHY, | Address 13 Green St.,  
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Address all correspondence to 1 Music Hall Place.

We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers in Boston.

Mention American Florist.

H. BAYERSDORFER & CO.,  
WHOLESALE  
FLORISTS' SUPPLIES ONLY,  
56 N. 4th Street,  
PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

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Florists' Supplies,  
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Manufacturers of  
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2 AND 4 DOMINICK STREET,  
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SEEDSMAN,  
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OR PUTTY. STANDARD and LIQUID

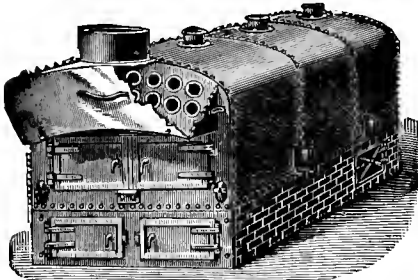
For Greenhouses,  
Conservatories  
Or any other  
Structure. . . . .

HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y.

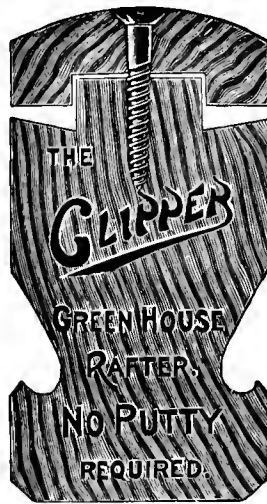
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We make Paints **BECAUSE WE KNOW HOW**, and have facilities to do it. We ship to all Railroad Stations and Boat Landings without regard to distance, and will make prices laid down at your depot at figures which will pay you to patronize a cash market.

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Boilers made of the best of material, sheet, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.



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We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

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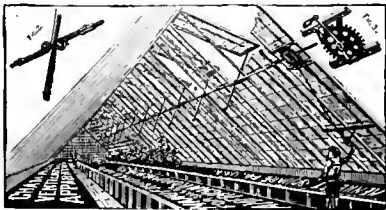


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Every florist, market gardener, owner of lawn, grass plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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Only 29 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Asso., Ill.  
"The most valuable labor saving invention I ever used."—C. E. WELD, Rosindale, Mass.

**HAVE YOU HEARD**  
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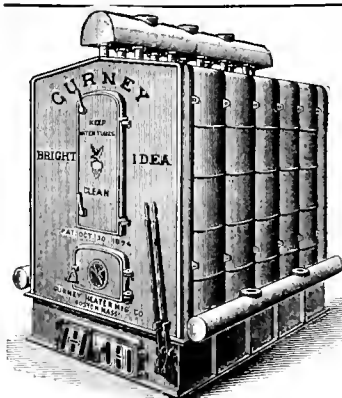
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YOUR INTERESTS DEMAND AN INVESTIGATION. Our circular is free for the asking.

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Kennett Square, Pa.

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(For Hot Water.)

**Gurney** Hot Water Heaters  
AND Steam Boilers.

UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

ALWAYS EQUAL TO THE OCCASION.

Send for Greenhouse Catalogues.

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**Albert's Horticultural Manure,**

you are missing a mighty good thing.

It can be used in solution, as a top-dressing, or mixed with the soil. Put up in 10, 25, 50 and 100 pound packages for florists' use, and in 1, 2½, and 5 pound tins for retail purposes. Write for trade prices and pamphlet

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**GLASS,** ROCK BOTTOM PRICES. Send for Estimate. Satisfaction guaranteed.

**REED GLASS CO.,**

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Ottawa, Ont.

Like most other places, business does not amount to much; an occasional funeral helps to pay rent and wages. There is plenty of flowers, except roses, which are small and scarce. Carnations are not doing as well as other years, although we have had abundance of rain all summer, and too much lately. Killing weeds for the last month could not be done with a hoe, hand pulling was the only remedy.

Ottawa has not sent a representative to Pittsburg, too far to travel and funds are not too plentiful, and back dues have something to do with it. I hope the society can see their way to make a change in that matter.

Harry Parks has been on his vacation for the last three weeks. Johnnie Graham is putting up another house for carnations; Jack can't spare time for vacation, but is looking forward to a big time in Europe next year. Parks is also putting up another house, and Scrim is rebuilding three.

ZERO.

Kalamazoo, Mich.

Mr. Joseph Dunkley has recently built two more houses, 20x120 for roses and 20x100 for carnations. Mr. Dunkley is making extensive alterations and numerous improvements about his other greenhouses, no expense being spared to make his houses appear at their best. Hitchings' ventilators are being introduced in every house. Mr. Dunkley intends growing roses on a larger scale than heretofore, and among other varieties he has introduced the Kaiserin, the Wootton and American Beauty. His young roses, planted in the beginning of July, are doing remarkably well, looking clean and well grown.

Van Bochove Bros. have laid the foundation for a handsome office, which they are about to erect in connection with their greenhouses.

X.

Grand Rapids, Mich.

Crabb & Hunter have built a rose house 20x104.

Mr. T. R. Renwick is unusually busy just now at superintending the building of his handsome residence on the corner of Barklay and Fountain streets, one of the most fashionable neighborhoods in Grand Rapids. As usual, Mr. Renwick has no reasons for complaint, trade in his estimation being very promising and encouraging, though, of course, quite dull at present.

X.

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## Jones, McDuffee & Stratton, Plant Pots and Pedestals

of all grades, sizes and values, direct from the best Potteries of England, France, Germany, China Japan and the U. S.

WHOLESALE AND RETAIL.  
120 Franklin St. cor. Federal, Boston, Mass.

## FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

J. G. SWANN'S SONS, P. O. Box 78,  
Minneapolis, Minn.



## Pat. Plant Tubs.

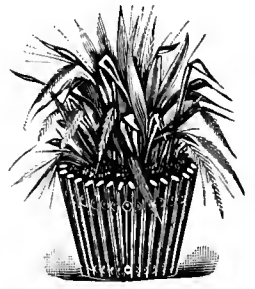
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## Florists Baskets AND SPECIALTIES.

Write for Illustrated Catalogues.



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Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

A FULL LINE OF BULB PANS.

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## STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., N. Cambridge, Mass.

## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

SYRACUSE POTTERY CO., OFFICE:  
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## STANDARD FLOWER POTS. FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD &amp; BARKER.

Write for Price List. Address

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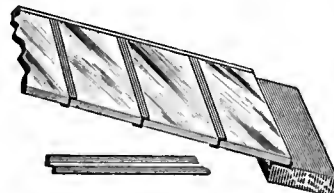
OUR POTS ARE OF THE BEST QUALITY.

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GASSER'S PATENT ZINC JOINTS for putting glass makes greenhouses air and water tight; also prevents sliding and breakage from frost. Does not cost as much to heat a house glazed with the joints, thereby saving enough in fuel to more than pay the additional cost of glazing. The leading florists of the country are using them. Write for circulars with full particulars and price list.

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## J. N. STRUCK & BRO.

Manufacturers of

## • CYPRESS • Greenhouse Material,

LOUISVILLE, KY.



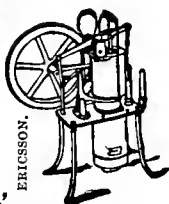
**CYPRESS**  
GREENHOUSE MATERIAL OF ANY DESCRIPTION

**JOHN C. MONINGER CO.**

297 to 307  
HAWTHORNE AV.  
CHICAGO, ILL.

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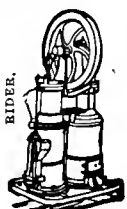
**WATER**  
For Your  
GREEN HOUSE,  
ROSE HOUSE,  
NURSERY,  
Conservatory, Lawn,  
House, Garden, Stock  
or any other purpose.



Send for Illustrated Catalogue  
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**DE LAMATER-RIDER AND  
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PUMPING  
ENGINE.**

Their operation is so simple and  
safe that a child can run them. They  
will pump water from shallow  
streams or any kind of well. They  
can be arranged for any kind of fuel.  
Capacity 1,500 to 30,000 gallons  
of water a day, according to size.  
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**BEST IN USE**

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**Large and**

**All Steel. No Coils or Cast Iron Sections.**

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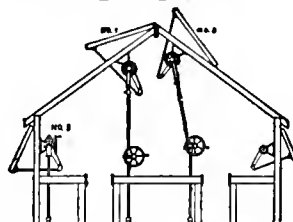
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paratus at the St. Louis  
Convention was to the

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VENTILATING MACHINE**

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working and prices.



No repairs for 5 years.  
no chains to break  
as is the result with  
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Opens Sash uniform on  
100 foot houses. A  
new device.

Send for Catalogue and estimates.

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**Horticultural Architects and Hot Water Engineers**

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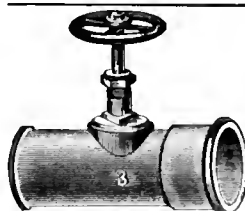
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VENTILATING  
APPARATUS.**

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LOCK THE DOOR BEFORE  
THE HORSE IS STOLEN  
**DO IT NOW.**

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**EVANS' IMPROVED  
Challenge  
Ventilating  
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BRUNSWICK, GA.—Mr. C. S. Tait has closed out his stock and sold his spare sash. He will retain about 1,000 feet of sash for private use; but will not continue in the trade any longer than is necessary to sell off stock on hand.

## CHILD'S RAIN MAKER

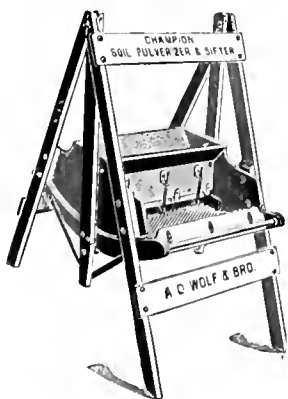


HAS COME TO STAY.

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Mixes the  
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Gives best  
Satisfaction.

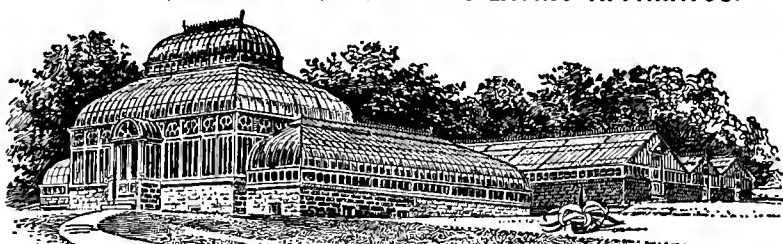
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DAYTON, O.

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ESTABLISHED 50 YEARS.

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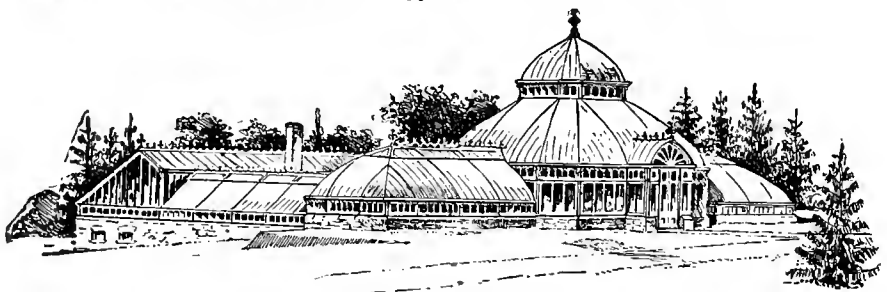
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FACTORY: IRVINGTON-ON-HUDSON, N. Y.

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Or How Small

YOUR GREENHOUSE, it can be heated by the  
"SPENCE" HOT WATER HEATER.

The "Spence" is made in 21 sizes. Catalogue free.

American Boiler Company

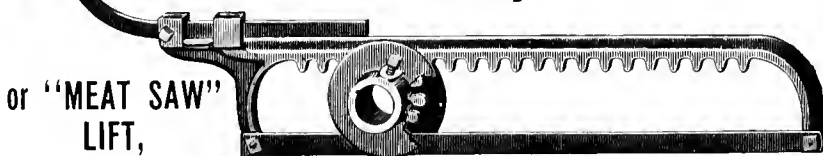
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VENTILATING APPARATUS?

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LIFT,

Will do the work quick, better, and COST LESS than any other  
appliance ever invented.

Address

J. D. CARMODY, Evansville, Ind.

PRICE REDUCED TO  
SUIT HARD TIMES.

# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XI.

CHICAGO AND NEW YORK, SEPTEMBER 7, 1895.

No. 379

## THE AMERICAN FLORIST

Copyright 1895, by American Florist Company.  
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY.

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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LAKE FOREST, ILL.—W. E. Kennedy has rented the McCormick greenhouses. The place formerly run by Fred Andermann is now rented by Joseph Bodnarch.

BELLEVUE, O.—Mrs. James Lunn has sold the business of her late husband to Mr. Isaac Husbands, who will continue it.

### Through American Eyes.

Hugh Low & Co. have a very large and varied stock, their main specialties being orchids, palms, roses and nursery stock. They have three hundred and fifty thousand feet of glass and some sixty acres of land, all in good order and filled with well grown stock.

At the old stand at Clapton the houses are mainly filled with orchids and palms. A house full of Dendrobium Wardianum in excellent condition was seen, the plants were in pots suspended from the roof by wires to within one inch of the table; this was so they could be syringed and a plant selected without upsetting the others. Tied up in bundles and suspended from the sides of tables, roots up, were a lot of recently imported cypripediums, these were kept best in this way until potted, as the water does not lay in the crowns or shoots. Dendrobium Hildebrandi, buff colored, and D. speciosum were new and well thought of varieties. D. speciosum and quite a lot of Cypripedium Charlesworthii were also seen. There were also some fine pieces of D. formosum giganteum. Bulbophyllum Dearei with its sprays of green flowers is called the green-horn, but only when certain persons are present. Odontoglossum Roczii, a good sized flower, white with a yellow throat, was a very pretty thing. Many of the houses were fitted outside with a covering of scrim and canvas on rollers, which were raised and lowered as required. There were a number of frames outside double pitch and brick walls with one pipe, hot water, for severe weather. Some very pretty crotons were also seen, among the best new ones being C. Lowi, golden yellow, C. Flamingo, flaming red, a choice variety, C. Chelsonii, the best of the narrow leaved varieties, red with yellow rib.

The stock of palms was very good, there being several houses of latanias in 6 inch pots, but hardly ready for sale as yet. Latanias in size such as well established plants in 6-inch pots are very scarce here, and we are told elsewhere. A fine lot of kentias, Belmoreana and Forsteriana were seen, many of the former being planted out on tables and looking very robust and thrifty. Mr. Barnard, the foreman, said he thought he could grow this class of palms equally as fast as latanias. Quite a number were being grown three in a pot. One of the most beautiful things was a lot of Cocos Weddelliana in 6-inch pots, three in a pot; they were everything to be desired of a plant in a 6-inch pot and would sell on sight to the average American customer.

Quite a few ferns are also grown, a house of Polypodium aureum in 4-inch pots was perfection itself. Pteris cretica major was done well. Asplenium laxum pumilum is a very pretty thing, being very bushy and sure to be a good trade variety. A house filled with Aralia Sei-

boldi variegata was a pretty sight, they were in 4 and 5-inch pots and perfect plants. A lot of very fair rubbers were seen, but that they were not the "Harris" strain was plain to be seen. Francoa ramosa, a very hardy plant producing at this time long spikes of fine white blossoms about two feet long and one inch thick, was a very pretty thing.

Quite a number of carnations were growing outside in 6-inch pots, all staked up. The best varieties noted were Miss Mary Godfrey, white, Reginald Godfrey, color of Daybreak, Winter Cheer, red like Robert Craig, the old Miss Joliffe, and a good white variety called La Neige. These all bore good large flowers without bursting and were said to be perpetual bloomers. E. V. Low is a new variety not yet sent out, a large salmon suffused with pink, a good border variety.

At their new place they have a large range of glass, over two hundred thousand feet, filled with a great variety of stock, but each class of plants being given a house or houses to itself. Marechal Neil roses were grown largely in pots placed around the edges of the houses in a double row and trained up like grapes to the rafters. There were a number of houses of cyclamens in various stages, and all looking very well. They are kept very cool during the summer, being sprinkled at night to refresh them. The plants were in 5 inch pots and would get one more shift to a 6-inch; the seed of these had been sown last August. There were several houses of Solanum capsicastrum in fine shape; the strain is their own, the seed being selected from dwarf bushy plants. They were uniformly good and should be beautiful when the berries were colored; there is great sale for it here at Christmas. There were houses of clematis, and others filled with different kinds of acacia, but no pubescens, it being found difficult to increase the stock, root cuttings being said to be almost the only way to propagate this variety, and even by this plan but a very low percentage ever grow.

Genista fragrans, said to be better than the present varieties being forced in the United States, has a silvery light green foliage and looks like a good grower; the color of the flower is the same but more showy and graceful.

They grow acres of standard roses budded on briars from the old hedges; they were in full flower and had been so for two months. Among the best varieties were White Lady, fine large white, Captain Hayward, pink, good, La France, Margaret Dickson, fine white, Clio, flesh pink, and Mrs. Sharman Crawford, deep pink, fine. These varieties stood out from the many other good familiar ones and are likely to be largely grown. The Rambler is largely grown and regarded as the finest novelty in the rose line for years. Plants budded one year ago are

now huge bushy stock six to eight feet high. When in flower this spring at Turner's at Slough it created such a furor that Her Majesty came to see it. It is hardly necessary to say that this was a gala day at Turner's.

One of their very best roses is Gloire de Dijon. This rose was introduced thirty-five years ago, and is still away ahead of anything in its class. Dwarfed apple trees are largely grown for training on walls and it was a sight to see a two-year old tree bearing from six to ten large apples in a bunch about one foot from the ground. There were several acres of roses budded on Manetti and De La Grifferie stocks, all looking well. Over 150 hands are employed constantly on the place, the average wages for men being \$4.50 per week.

Liverpool, a city of half a million inhabitants, has no commission merchants whose business it is to handle cut flowers exclusively. A few firms dealing in imported fruits principally sell hot house tomatoes, grapes and other like products, and also receive consignments of outside flowers from the south of France when in season. A number of growers have stands in a general market and dispose of their stock, plants and cut flowers, mostly at retail. There seems to be very little wholesale business done, the stores having places of their own in the suburbs from which they obtain their supply.

Turner Brothers' store while small was very attractive; the three show windows were beautifully arranged and the flowers were of good quality. The fine roses of the United States were conspicuous by their absence, but large bunches of carnations with fair stems looked very natural. Duchess of Fife sells for 75 cents per dozen; it is a fine large flower reminding one of Grace Battles in form and color, but much larger. Pink Royal, a deep pink, and Mrs. Reynolds Hole, a reddish orange, were the best noted; there were no white. There were a few short Perles, some good Jacks and fair Gloire de Dijon, short as well, and a really pretty bunch of Ma Capucine; this was a beautiful color and as fine in form and size as it has ever been done in the United States. There were a number of pieces made up for show and sale, the best being a large wreath of white cornflower and maiden-hair, a yoke or long crescent wreath of a cluster of Gloire de Dijon roses in front, with mignonette on one and heather on the other side, tapering to the narrow point; these were both very artistically arranged, as were also several clusters and bunches of carnations and heather, poppies, pansies, etc. The clusters were mostly of one kind of flower or not more than two. It seemed rather odd after seeing a girl put up a box of flowers very tastily to see her pick up a bottle holding about a pint of water and by means of a brass mouth piece and considerable exertion on her part blow a spray on the flowers much as John Chinaman sprinkles his laundry. This seems to be the method in all the stores, no rubber sprinklers being used.

A number of white pieces, mostly wreaths, are kept constantly on hand; it seems to be the custom here to have emblems sent as soon as purchased. The most popular design is the wreath; there seems to be three wreaths sold to one of any other form. Eucharis, stephanotis and Niphetos roses were used in the finer work. In this store all the artists are ladies, and if the Buffalo gentleman could see them work he would perhaps alter his opinion about petticoats being out of place behind a counter.

In a large general market there were several florists who carried a stock of cut flowers and made-up designs, principally wreaths; these were made up on a single wire or grape vine frame twisted together as it was about to be made up. It is then covered with the broken fern rolled together until it is the required size; they think it better than moss. The form is then covered with asters and bordered with ferns, then Harrisii lilies are placed upright equal distances apart, and one is arranged conspicuously in the center. A few sprays of the hardy white sweet pea, the dwarf white gladiolus and some adiantum are added and it is finished. It now resembles a round plateau, being filled in the center. After the spraying from the bottle it is placed under a low glass shade fitted to a japanned tin frame and awaits a purchaser. At one of these stands there were eight girls and men making up wreaths and crosses, the latter being made of two crossed stakes. They were very quick at it and said this was their work all day long. At this stand there were thirty designs made up of natural flowers and 150 porcelain pieces, all under glass shades. The natural flowers would keep looking fresh in this way for four days, and they seldom had any to throw away. Except the first layer of flowers and the lilies none touched the form and would have wilted in a short time if left exposed to the air. The wiring was all done with the straight box wire. Above one of the stalls a quite expensive sign announced the fact that this florist was patronized by Her Majesty the Queen and a list of some six or seven other crowned heads of Europe. In his stock were some very pretty plants of rhodanthus, white and pink, about 12 to 15 plants in a 5-inch pot. How they would sell if we could do them as well. Some fine Cyperus alternifolius in 5-inch pots were also seen. Both these plants brought a shilling each at retail.

In a public square quite a number of long narrow beds of the common hardy English ivy were seen bordering walks, between each being a small round bed of geraniums bordered with pansies, these latter looked well, but the geraniums seemed as if they wanted a stimulant, their growth being stunted. Some lobelia borders were fine, but as a rule things all bore a chilly look, and as the thermometer ranges here in summer between 55° and 70° a spell of warm weather was what was needed. K.

#### Herbaceous Plant Notes.

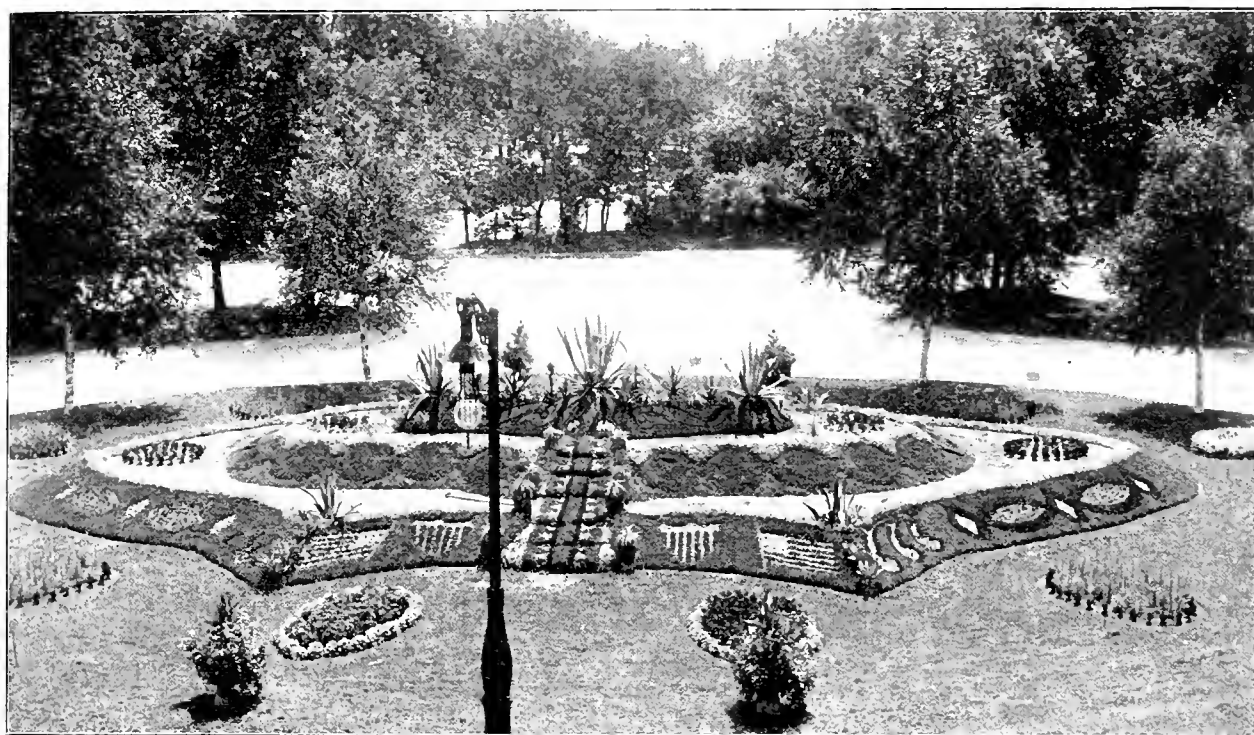
A word for our native hardy asters should be said under this heading; we usually do not appreciate the beauty in plants and flowers which we find growing wild in fields and meadows. Although if we are out on a stroll we may gather a bunch and admire them few of us would think of digging up a root to take home and transplant into our herbaceous border. They are called weeds and are treated as such, we imagine that they do not belong in the garden, and so they are left in the fields where nature placed them, not thinking of the unfavorable conditions and surroundings under which they are growing in the hard ground along the roadside or in the thickly matted sod in an old pasture, but it would be astonishing to notice the difference of both flowers and the size of panicles after one year's cultivation in fairly good garden soil. We then seem to have an entirely different plant before us; the flowers and panicles are more regular in shape and greatly improved in size and substance, also the color is more vivid and decided. It cer-

tainly would be very interesting and perhaps prove profitable for many florists to hunt up a few good varieties and transplant them to their grounds; they will find them all very ornamental and free flowering subjects for the shrubbery or the border, where they will make a grand display along with helianthus, rudbeckias, coreopsis, anthemis and other hardy fall blooming plants. There are so many different varieties of them that a complete collection would occupy considerable space, even if only a few clumps of each native variety were to be planted, but any of the following may be selected. They are all handsome and good, blooming and growing freely in any soil or situation if not too shady, and most of them are also useful as cut flowers. The list is by no means complete, for there are many more species to be found in the United States.

Aster ericoides has pure white flower heads on very slender branches, and is a most profuse bloomer; the flowers are rather small but the quantity produced is immense, and it is one of the finest varieties I know. It has very narrow linear, fine foliage, blooms in August and September and grows 2½ feet high. A. cordifolius is an early flowering variety bearing small light blue flowers in rather compact drooping bunches arranged in a loose panicle; the leaves are broad, elongated, with toothed edges, the height is 2 feet, blooming time August and September. A. dracunculoides has large compact panicles of white flowers faintly tinged with lilac, the individual flowers are of good size and substance, and the leaves narrow and pointed; grows 3 feet high and is hardly in bloom yet. September and October is their flowering time. A. linifolius, an early flowering species, blooming profusely in August and September, the flowers are white, freely produced on a spready panicle and the leaves are narrow linear, curled down at the points, the height is about 2 feet.

A. acuminatus, another white flowering variety with corymbose racemes and broad leaves with a very long point, a most desirable species blooming in September and October, attaining a height of 2 feet. A. floribundus, a fine species with very broad panicles of light purple flowers of fair size, blooms in September and October and has broadly lanceolate leaves, but grows to considerable height under cultivation, 4 feet or over. A. Douglassi, a native of California if I am not mistaken, blooms early with us, being in bloom by the middle of August. It has good sized rather dark purple flower heads on slender stems, and forms large panicles, height 3 to 3½ feet. A. æstivus is probably the earliest of all, blooming the latter part of July and continuing well into September; the flowers are produced on loose and spready panicles and are a very pretty shade of blue in color, height about two feet. A. ciliatus, flower heads almost white on branchy and loose panicles, with narrow almost linear leaves. The branches are covered with down; grows to a height of about 3 feet and blooms in September and October. A. foliosus, with spready branched, erect panicles of pale blue flowers in September, the leaves are narrow, pointed and the stem is covered with down, height 2 feet.

A. serotinus, of a pleasing shade of blue, blooms in compact bunchy corymbs and has smooth oblong pointed leaves, serrated at the edge. It blooms in September, height 2½ feet. A. Revesii, the dwarfest of our native asters, attaining a height of only 10 inches or less, with small white flowers on a very compact



BEDDING IN GARFIELD PARK, CHICAGO, 1895.

panicle and with thin slender branches; the leaves are small linear and narrow, blooms in September and October. *A. undulatus*, one of the taller growing kinds, 3 feet or over, with pale blue flowers at first, growing darker with age, has rather broad oblong leaves and blooms during August and September. *A. amplexicaule*, an early bloomer, beginning the fore part of August, with deep violet blue flowers in very loose panicles, leaves narrow lanceolate, and the height 3 feet.

*A. diffusus* blooms in very loose racemes, flowers white, leaves narrow and pointed; the stem is hairy. Grows only 2 feet high and has a spready habit, a late flowering species, blooming in October and November. *A. grandiflorus*, another late variety, October and November, has beautiful extra large sized deep purple flowers and narrow pointed leaves, height 2 feet. *A. macrophyllus* is white in color and blooms in loose, branched panicles in August, grows to a height of 2 feet and has large broad and pointed leaves. *A. longifolius*, flowers are large white, in compact bunchy panicles, has narrow long smooth foliage and grows 3 feet high or over. This species greatly differs in color; I have seen flowers of rather large size and also of a decided pink shade. October and November is their blooming time. *A. adulterinus* is violet in color and blooms September and October. The leaves are lanceolate along the stems, but the lower ones are broader and serrated at the edges, 3 feet is as high as it will grow here.

*A. laevigatus* has pale pink flowers of rather large size in fine erect, large and much divided panicles. Leaves rather broad, smooth and pointed; blooms in September and October, and attains a height of 2½ to 3 feet. *A. eminens*, of a lilac blue on long but loose panicles, has narrow lanceolate foliage and blooms in October and November, height 2 feet. *A. fragilis* bears numerous small flowers in corymbose panicles, pale flesh colored; the

leaves are rather short and oblong. The plant has a compact habit and will attain a height of 2 feet. *A. versicolor*, a taller species with white flowers which will change to light purple as they grow older, blooms in August and September, and has smooth rather broad pointed leaves; 3 to 3½ feet is the height. *A. spurius*, desirable for its extra large sized purple flowers, borne on very loose panicles in September and October, has shiny narrow pointed foliage and grows 4 feet high. *A. pendulus*, a fine species with pure white flowers, which turn to light pink with age, has long slender panicles and grows to a height of 2 feet. *A. novae-angliae*, probably the tallest of the family, growing 6 feet high, blooming in large bunchy panicles during September and October, is deep purple in color, and the flowers are of extra large size. A robust growing plant of erect habit; several varieties of various colors running to reddish pink or darker purple can be found growing wild. All are charming and desirable, the leaves are narrow lanceolate and sharply pointed.

*A. novae-belgii*, not as tall as the above and pale blue in color, is of good size and substance. It blooms in loose panicles and has smooth lanceolate foliage; flowering time September and October, height 4 to 4½ feet. *A. linariifolius* is a dwarf species only 10 to 12 inches high, pale lilac blue in color and with numerous narrow long leaves; blooms September and October. *A. argenteus*, another dwarf one with a decumbent weak stem and purple flowers, the oblong foliage is covered with a whitish down. Blooms in August and September and is only 12 to 15 inches high. *A. elegans* has densely clustered small blue flower heads on slender, bending stems and oblong foliage with narrow points; height 2 feet, flowering time September and October. *A. salsuginosus*, rich purple, a dwarf species, growing about 12 inches high, with leafy stems and small racemes of flowers; the

color is very desirable. Blooms during August and September. *A. laevis*, flowers light blue, panicles of good size and form, blooms in September and October very freely, the leaves are rather shiny and broadly oblong, height 2 feet.

*A. hyssopifolius* has flowers of a purplish white and forms a loose raceme; the foliage is narrow and pointed, blooms in August, September and October, height about 2 feet. *A. peregrinus*, with very large bright purple flowers, is an early bloomer, August and September. Of dwarf habit, from 12 to 15 inches, the leaves are narrow lanceolate. *A. paniculatus*, a taller species, light blue in color, forms loose well shaped panicles and has broadly lanceolate leaves, grows to a height of four feet and is perhaps the best known variety in this section. Blooms in August and September. *A. tardiflorus*, flowers very near blue, lasts from August to November and blooms profusely in loose panicles; the foliage is smooth, very narrow at the base, with the edges turned or rolled down, grows to a height of 2 feet.

*A. patens*, lilac purple, of fair size, with broadly lanceolate leaves and pubescent stem, blooms from September to November in loose panicles, height about 2 feet. *A. turbinellus*, an early bloomer, from August to November, of a fine lilac mauve color and large well shaped panicles; shiny narrow foliage, the edges of which are turned or curled in and are finely serrated, height about 2½ feet. *A. concolor*, deep purple, a dwarf species, 12 inches high, blooms in October and November in fair sized panicles, has pointed foliage, rather downy in appearance. *A. blandus*, lilac purple, flowers in September and October, short racemes and smooth oblong pointed foliage, height 2 feet.

*A. pilosus* has pale light violet flowers and slender stems; the leaves are narrow linear and sharp pointed; height 2 feet, blooms in September. *A. amygdalinus* blooms in August and September; flowers



are white and of medium size, and panicles are spready but many flowered; height about 2 feet. *A. bellidiflorus* has pale reddish pink flowers on loose large panicles, and narrow long foliage; grows 3 feet high and blooms in September and October. *A. coridifolius* is another dwarf species with pale purplish blue flowers on loose panicles, and narrow short curled leaves; height 1 foot, blooms in September. *A. dumosus*, rather small white flowers, tinged purple, but blooming very profusely in broad clustery panicles, September and October, height 2 feet. Occasionally we come across lighter or darker colored specimens of this charming species, but they may be easily identified by their compact and bushy habit and by the narrow foliage, which is much shorter along the stem. *A. multiflorus* has small white flowers in pyramidal racemes, a fine species with fine shiny, narrow linear leaves and very branchy and divided stems. Grows 2 feet high and is in bloom in September and October.

*A. spectabilis* has light blue flowers of fair size and pointed lanceolate leaves with a rough surface, blooming profusely in August and September, height about 2 feet. *A. obliquus*, a curious tall growing species with white flowers and a purplish disk, blooms in September and October. The foliage is narrow and pointed, height 5 feet, the habit of the plant is erect and compact. *A. salicifolius*, another tall variety, 6 feet or over, has pale mauve flowers tinged with pink, and the foliage is smooth and very narrow; blooms in September and October. *A. laxus*, white, of good size, flowers in very loose racemes during October and November. The leaves are narrow, pointed and rough at the edges, the height is 2 feet.

*A. puniceus* has flowers of a blue shade and of good size; the racemes or panicles are well shaped and very large. A tall growing species, attaining a height of 6 feet or more and blooming in September or October. The leaves are oblong, pointed, serrated at the edges. *A. Shortii*, bluish purple flowers of fair size on elongated narrow panicles and with long leaves running to a very fine point; blooms in September and October and grows  $2\frac{1}{2}$  to 3 feet high. *A. praecox* is an early August bloomer with violet purple flowers and oblong leaves, which are narrow at the base as well as at the points; height 2 feet.

*Helianthus orgyalis* is a most graceful autumn flowering plant of tall growth with numerous bright yellow flowers borne on a large loose panicle, beginning to bloom in the latter part of August and continuing until the frost destroys them. They attain a height of 5 to 9 feet, and the foliage is very long and narrow, arching or drooping, set very close along the tall stems; altogether an elegant and very decorative plant for fall show, doing well in any soil and situation and very useful for cut flowers.

*Inula glandulosa grandiflora*, with large yellow terminal flowers, 4 inches across, is a fine showy border plant for August and September blooming, has oval, pale green and rather large leaves and erect hairy stems, bearing a solitary handsome flower, height 18 to 24 inches. *Inula hirta*, a free blooming variety with numerous small bright yellow flowers in August and September is of compact and much dwarfer habit than the foregoing species, and with downy leaves and stems, showy and desirable as a border plant but rather rare. Height 10 or 12 inches.

*Aster corymbosus*, not a native species, is a very free white sort with pale yellow disk; flowers are very numerous and are

produced in very loose corymbose heads, lasting a long time, from August to October. The leaves are broad at the base, running to a narrow point, and have distinctly serrated edges. The stems are thin and brittle, dark colored. It is extremely useful in a cut state, but is seldom seen in collections. The height is 18 to 24 inches, and the plant forms a compact spready bush of perfect outlines whenever used as a solitary plant.

*Plumbago Larpenae*, an old favorite, is now beginning to bloom and will last until late in October or until away into November if the weather is favorable. The pretty flowers are violet blue, and are produced in abundance on terminal closely set clusters. A most charming plant for half shady places, where the foliage will be finer and darker than in exposed situations. Its growth is dense and compact, covering the ground entirely if left undisturbed for several years. The height is only 10 to 12 inches, it is also a good cut flower.

*Boltonia latissuama* has broader and longer leaves than *B. asteroides*, described in former notes, and is considerably later in blooming with us. The shape and size of the flowers is the same as in that variety, but in color they differ, being of a pale delicate mauve pink. The plant is a strong grower from  $2\frac{1}{2}$  to 4 feet in height and a very profuse bloomer, most useful in a cut state and of excellent keeping quality. It blooms in September and October.

*Mirabilis multiflora*, a beautiful hardy species of the four o'clock family, will bloom from August until frost, bearing good sized bright rosy purple flowers in profusion. The tube of the flower is about two inches long, opening funnel shaped, and the blooms are borne in clustered terminal panicles coming out in succession. The foliage and stems are covered with a fine hairy down, and the leaves are rather narrower and more pointed than in the well known *M. jalapa*. A most desirable plant for the herbaceous border, growing about 15 to 20 inches high and of compact and bushy growth.

*Anemone japonica*, the ordinary variety, has carmine rose flowers borne in profusion from September until frost. Everybody knows it to be a most useful cut flower in the autumn, having long and strong stems, so that the flowers stand well above the foliage. They are greatly admired in the garden as well. The individual flowers are  $2\frac{1}{2}$  to 3 inches across and the following varieties are all good border plants, and also invaluable in a cut state, height 2 to 3 feet. *A. japonica alba* (Honorine Jobert) the best known white variety, is a strong grower and very free bloomer of excellent keeping quality when cut, and most largely used in the cut flower trade. Whirlwind is a newer semi-double form of *A. jap. alba*. In freedom and habit of growth and in blooming quality it is identical with the latter, and will undoubtedly sell as well in the flower market as the old white. Lady Ardlaun is another new form of the old white anemone, with distinct growth and foliage, rather more double than the Whirlwind, larger in size and the petals are firmer and of a more wax-like substance. The pure white flowers are 3 to 4 inches across, with very broad stiff petals, curled up along the edges and overlapping each other. Altogether this is one of the finest novelties in hardy border plants that has been introduced in many years, and is certain to become very popular as a cut flower as well as for planting out in the garden.

*A. japonica elegans* or *rosea*, is very

much like *A. japonica* but has pale rose-colored flowers with a darker center, a little larger in size and rounder in form; the foliage also is rather broader and the growth is more robust. All these anemones bloom from September to November, or until the frost cuts them down, and all grow to about the same height. They make a grand show in the fall of the year where large masses are grouped together in beds or borders, being of such a free growth and blooming in great profusion; they should be planted largely.

Rochester, N. Y.

J. B. KELLER.



#### Carnation Notes.

A little point worth knowing came to my notice while planting last week; very simple, but the results justify a trifle more work. When we lift our plants we put them in bushel baskets, roots down. Knowing that some of these baskets were not emptied for several hours I had the plants wet, roots and all. When we came to set these they did not wilt in the slightest, so I had all the balance of the plants dipped, that is, the roots, not the tops, although it will not harm the tops to be wet. This may have been practiced by many before this, but I never heard of it, although it is a common practice when planting outside.

All of the new sorts purchased last spring have lifted well, especially Crystal, a new white. This is contrary to the expectations of several who bought this sort; from its habit of growth we thought it would make poor roots and wilt badly. Helen Keller seems to be improving as she grows older and shows greater vigor in both plant and root growth; this I believe is due in great part to the care in selection of cuttings, as I am informed by those with whom this improvement exists that they propagated only from the most vigorous plants. No rust has appeared so far this year on Uncle John with me; this is hard to understand, as we generally suppose that a wet season is more apt to produce rust than a dry season, simply another one of the mysteries concerning this fungoid growth.

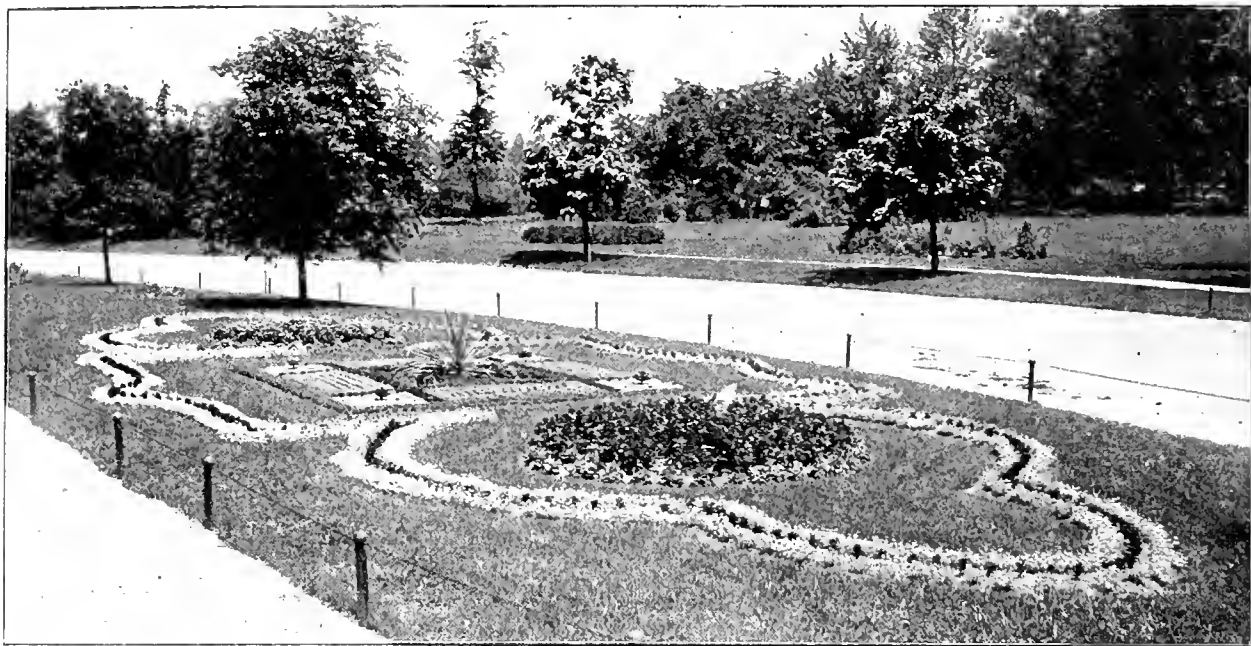
Be very careful about watering after planting in; too much watering will weaken the growth of the plant and make the under leaves turn yellow. Spray your plants well and often, but let it be a very fine spray; this is to feed the plant, for you must remember that in lifting the plant has lost many roots and spraying nourishes it. Our stock was planted one week ago and to-day I find by lifting one plant that excellent root action has begun. I will from now on water just sufficiently to keep the soil moist, not on the dry side as some call it, but on the other.

CHARLES H. ALLEN.

#### Sweet Peas Under Glass.

"Enquirer" wants to know as to time of sowing these, and if best grown in pots or beds. By all means grow them in beds. They will do little or no harm to carnations, for they don't make much growth till the bright days of spring come, and then you have plenty of light for everything. If you want to grow





BEDDING IN GARFIELD PARK, CHICAGO, 1895.

them on a large scale devote a bench entirely to them, but 5 or 6 inches of soil is better than a foot. If a deep rich bed you will get such a luxuriant growth that flowers will be scarce. The south or east end of house would do them well, where you could place a box for them, say one foot wide, 6 inches deep and any desired length. Still they will do no harm in a carnation bed trained up to a pillar, and don't forget you will get more flowers from two plants given room to grow than from a dozen crowded vines. If you want them very early in spring sow in pots the middle of this month and plant out later, or with about the same results you can sow a few seeds in the beds as soon as you have your carnations planted.

W. S.

#### Miscellaneous Seasonable Hints.

Now is about the time the 'mums will be giving you any amount of trouble, or rather work. To begin with, the plants you lifted from the benches about the first of September will now be well rooted in the pots, and shade must be soon avoided. I know how difficult this is to do, but there is always some way of getting around it. For instance, most likely you have had a house that was shaded all summer for such plants as *Lilium lancifolium*, gloxinias and many other odds and ends, which you always have to keep. Now is a good time to wash it off, for no more shade will be desirable till next February. There are but a few varieties of chrysanthemums that make natural bush plants, and none but what are improved 50 per cent by a little tying. For a moderate sized plant in a 5 or 6-inch pot one stake in the center will do, the other branches being kept in place by strings from the stake, but this is not enough for fine plants of Ivory or Lincoln, which will give you from one to two dozen fine flowers. Seven or eight more small stakes will be necessary to show off the plant for what it is really worth. The sooner you do the staking and tying, after the plants have got established in the pots, the better, for a plant tied out at the last moment looks artificial and crude.

About disbudding, there is no theory like experience, and my experience last year with a lot of Ivory was this—half of a batch of several hundred I allowed to make natural breaks and bear three flowers to each lead; the flowers were of very medium size. Another lot I left but one flower on each lead; every flower was a small specimen, each plant bearing from a dozen to fifteen blooms. The latter sold so far ahead of the others that I shall never think of doing anything but disbud to one flower all and every chrysanthemum. The plants in beds will now be growing so fast, making breaks and side shoots, that it requires a constant going over for the best results.

About the time you read these lines will be an excellent time to place a mulch on the beds. I don't pretend to know any chemical properties in the different manures, either natural or artificial, but I do know that a dressing of half rotten cow manure, not more than one inch, is of the greatest benefit, and if you can't get that readily other stable manure will answer. With the copious watering they receive from now till time of showing color the benefit of the ammonia must be felt, and in addition to that the mulching prevents the too rapid evaporation from the bench, which is so well filled with roots. I have nothing to say against liquid manure, which is perhaps the most direct way of applying the stimulant required for the more than normal growth. Remember the words of Mr. Wood of Denver—begin lightly and increase the dose as the plants will stand it. The philosophy of this is that neither plants nor animals will take too large an application of stimulant until they are accustomed and gradually inured to it.

The black fly, so troublesome to us on chrysanthemums, succumbs to tobacco smoke, and all houses should now be glazed tightly, so that you can "smoke" three consecutive nights. This makes the black fly and all other varieties very little in evidence. This is about the time that the dreaded rust appears; to those who have never suffered with it I will say it first appears on the under side of the leaf, as if it were slightly bronzed, growing

deeper in color as the malady grows, finally curling up the leaf, and as the petal of the flower is but a modification of the leaf the whole crop is ruined. There are various causes assigned for this trouble, and also several theories as to what it is that causes it. A large authority told me in Pittsburg it was "a bug." I am convinced that many millions of this bug exist to the one thousandth part of an inch, so it would be hard to say whether it is a vegetable or animal bug. Over-stimulation and want of ventilation are very likely causes of it, so keep on plenty of air. It will be several weeks before we are in any fear of a night that will hurt 'mums, so night and day keep on all the ventilation you can.

Midwinter often finds some of you short of coleus stock, and you have to buy or beg cuttings. Put in a good supply now, and before hard winter sets in they will be sturdy little plants able to endure a cool temperature in winter. While speaking of the last important plant don't forget many other trifles that are very important in the spring. You can't attend to everything the last few days of September, so put in viucas, abutilons and a few cuttings of such plants as propagate easily in winter, such as *senecio*, *pilgynce*, etc.

People often ask if it is necessary to renew the sand every year on the propagating bench. I would usually say yes, if sand is convenient; if not the old sand will root the cuttings quite as well as the new. The great trouble is the "fungus of the cutting bed," as the late Peter Henderson called it, now more scientifically known as a species of *anthracnose*. A sure cure for this is the ammoniacal mixture of which the formula has often been published. I found this answer: One pound of sulphate of copper, two quarts of liquid ammonia; dissolve the copper in the ammonia, and then pour into 35 gallons of water. After every batch of cuttings give the sand a good watering with this solution and you won't be bothered with any fungus. With carnation cuttings this is most excellent, for you are not only cleaning the sand but preventing any rust, as the

above mixture has all the killing properties of the Bordeaux mixture. Even to spray the cuttings in the bed with it does no harm from my experience.

As the rays of the sun recede in fierceness you must give less shade to the cyclamens, which have been summering in mild hotbeds or cold frames, and on dull days remove the sash entirely. There is always a good demand for early Bermuda lilies, by that I mean those in flower in November and December. The earliest planted should now be 2 or 3 inches above the soil. As long as the weather continues warm you cannot help them much by bringing them into the house, but about the middle of the month the nights will get cool, then you can remove the earliest to a house where there is plenty of light and air.

I don't wish to encroach on another man's territory, but I want to say a little about some carnations for summer blooming, or what you would want to sell to a customer in May when they say "Have you any nice carnation plants?" Last year (and other years) just before I threw out my old plants in the houses I took off several thousand cuttings and put them in the sand. They root in September as freely as chickweed, and if you have taken care of your plants during summer you will be able now to get such splendid cuttings. Kept in 2-inch pots till February, then shifted into 3 inch, kept in a cool light place and pinched about twice these plants will give the greatest satisfaction. I have now a few hundred in bloom, the culls, after my customers were served, that have bloomed since July 1, and will I know create a much greater demand for next year. I mention this now so you can think of it before you have thrown out all your old plants, and I certainly believe the cuttings from the plants inside root much better than those taken from the young field grown plants.

WM. SCOTT.

#### Crimson Rambler Rose.

What have you to say in favor of the lately introduced and highly recommended rose "Crimson Rambler?"

After having been approached at different times by some travelling representatives of eastern firms, I was finally persuaded to try a few plants of this variety, which up to date, August 1st, have completely failed to show a single bud. During spring sales I sold some plants to customers and had a row of them planted in open ground for my own enjoyment, but must say that we have all been badly disappointed; there is nothing rambling about it, not even its growth, which is only moderate; this sport is certainly miscarrying the true character of its name.

As out-door conditions of vegetation vary greatly in this broad and expansive country, I would like to hear from others as to their experience with "Crimson Rambler."

ALEX. WALDBART.

St. Louis, Mo.

[Upon receipt of above we addressed inquiries to a number whom we knew to have tried the rose and received the following replies.—Ed.]

It is behaving about the same way here out of doors and only commences growing in greenhouses about March 1 after being planted all the fall and winter. It has made a good growth outside the second year at Lincoln Park.

Chicago. J. C. VAUGHAN.

The Crimson Rambler rose is so new that it is hardly time yet to record ex-

perience with it in this country. It has behaved very satisfactorily in England, and we have every reason to expect grand results from it here, but owing to extreme propagation the young plants cannot be expected to thrive the first year after planting; we think that the failure of the plants to do well this year may be explained in that way.

This variety produces its flowers on the growth of the preceding year, hence the young plants set out this year did not flower.

As stated above we think it is too soon yet to pass judgment upon it. We had plants which flowered in the house last winter and we were greatly impressed with their beauty. EASTERN GROWER.

Replying to your inquiry about Crimson Rambler rose would say that I was at first seriously disappointed in it on account of mildew, but this year, after the plants had been removed to a more open position they did so much better that I am now convinced it is a good thing and has come to stay. It grows slowly until the second year. Last year my plants made very little growth but this year they have made a growth of eight feet with stems the thickness of my little finger.

W. C. EGAN.

Highland Park, Ill.

#### New Chrysanthemums of 1895.

New chrysanthemums disseminated during 1895 are as follows:

By E. G. Hill & Co., Richmond, Ind.: Miss M. M. Johnson, Radiance, The Egyptian, H. W. Rieman, Halloween, Gold Dust, Nellie Elverson, Miss Louise D. Black, Her Majesty, Mrs. Elsie Darlington, White Pearl.

By Jno. N. May, Summit, N. J.: Dean Hole, Nemesis, Olympus, Sunrise, Trilby, Zulinda.

By F. Dorner & Son, Lafayette, Ind.: E. M. Bigelow, Millbrook, Miss Elma O'Farrell, Mrs. S. T. Murdock, Oakland.

By Fred S. Walz, Station A, Cincinnati, Ohio: Mrs. Potter Palmer.

By W. Jarvis Smith, Pittsburg, Pa.: Northern Lights, Mrs. A. W. Smith, Vera, Evening Star, Silver Spray, Gilt Edge, Crimona.

By Hugh Graham, Philadelphia, Pa.: Philadelphia, Mrs. Wm. H. Hurley, Mrs. Thos. E. Weidersheim, Katherine Leech.

By Theo. Bock, Hamilton, Ohio: Fred Walz.

By J. C. Vaughan, Chicago, Ill.: Mrs. W. H. Rand, Crystalina, Burt Eddy, Jayne, Mrs. Moses J. Wentworth, Shavings, Winnebago, Paul Noisette, Miss May A. Countess, Genevieve, Miss Georgie S. Scates, Mrs. Col. Jos. Thompson.

By Pitcher & Manda, Short Hills, N. J.: J. H. Troy, J. E. Lager, W. B. Dinsmore, Mrs. W. A. Bryant, F. L. Atkins, Mrs. Henry Robinson, Miss Georgiana Pitcher.

By H. Yoshiike, Oakland, Cal.: Admiral Ito, Caledonia, Corea, Fred Barston, Grace S. Yoshiike, Glory of Pacific, Golden Sunset, Imperial Crown, Mars, Mabel Clare, Mrs. P. Rothenbush, Mrs. McNear, Mrs. Lieutenant Tom Phelps, Mrs. S. J. Farrington, Oriental Glory, Paul L. Miller, Pearl Palace, Rose Yoshiike, Snow Capped, Saghalien, Urania, White Swan, Western Pride, W. S. Devis, Yellow Superior, Count Tamagata, Dragon Fire, General Nodzu, Marshal Oyama, Morning Crow, Golden Harvest, Okagi, Yoshino, Yellow Model, Golden Palace, Buff Globe, Buff Hairy, Dragon Blood, Fugi Snow, Green Emerald, Kioto Pink, Nikko Snow, Paradise Beauty, Rosy Imperatrice,

Snow Peak, Tomo Shirago, Tokio Souvenir, Rokkasen.

By T. H. Spaulding, Orange, N. J.: Mrs. M. R. Parker Jr., Miss Georgie Crompton, Marie Vallean, Latest Fad, Mrs. J. H. White, Mrs. Higinbotham, Camille D'Arville, Jeannie Falconer, Marion Abbott, Brigand, Diavola, Helen Bloodgood, Dr. W. A. Wakeley, Esther Heacock, Experiment, Miss Gladys Spaulding, Bronze Giant, Autumn Leaves, Emma N. Crosby, Eva Knowles, Edith Smith, Lottie Alter, Octoroon, Parting Guest, Maud D. Reynolds, Bijon Fernandez, Crimson Beauty, Casino, C. S. Bates, Conspicuous, D. Hay, E. Baldwin, Egandale, Freedom, Golden Dawn, Hugh Graham, J. H. Small, M. B. Little, Neuva, Orange Gem, Owen Thomas, Pink Ribbon, Pechontas, Rob Roy, Robert Bonner, W. H. Appleton, Waldemar.

By N. Smith & Son, Adrian, Mich.: Ezeta, Zipangi, Thalia, Chipeta, Nyanza.

Of the 66 seedlings submitted to the various committees appointed by the society for judgment 28 were considered worthy of certificates, which are the following:

Amaranth, Arriere, Miss Louise D. Black, Helen Bloodgood, Jeannie Falconer, Gold Fever, Mrs. T. D. Hatfield, Francis B. Hayes, Her Majesty, Dean Hole, Mrs. Wm. H. Hurley, Miss M. M. Johnson, Mrs. Wm. H. Kemble, J. E. Lager, Miss Margaret Newbold, New York, Oakshade, Miss Elma O'Farrell, Mrs. M. R. Parker Jr., Philadelphia, Mrs. W. H. Rand, H. W. Rieman, Miss Gladys Spaulding, Tippecanoe, Mrs. Edw. H. Trotter, J. H. Troy, Fred Walz, Mrs. Thos. E. Wiederseim.

In addition to these there were 14 recommended for further trial which are: Betty Bock, Mrs. Jas. E. Campbell, Columbine, Debutante, Durango, The Egyptian, Ellerslie, Rosa Kuperle, Neva, Opal, Sinaloa, Edith Smith, Sunshine, Ella Walz.

The society has three new members since last meeting, namely: J. M. Gasser, Cleveland, Ohio; R. Witterstaetter, Sedamsville, Ohio, and Michael Barker, Ithaca, N. Y. ELMER D. SMITH, Sec'y.

#### Crops Under Benches.

"A Subscriber" asks "what can be grown for profit under raised benches in violet houses." I have been asked something similar to this many times, and have generally answered "nothing at all; you should be satisfied with a good crop on your benches." While the above is mainly covered there are certain uses to which the space under benches can be put, although I should not call it growing a crop. From the wording of the enquiry I shall presume the benches are raised, perhaps 4 or 5 feet from the floor, which makes it very different from benches that are raised only 2 feet. I can only think of one plant that could be called a crop for that place, and that is English ivy. Planted in good soil under the benches it will thrive well and soon take care of itself, and we all know the constant demand there is for the leaves. There are several things that can occupy this space temporarily and under certain conditions. It would be an excellent place to keep hydrangeas for the first two months after lifting them in September or October. If you are a bulb grower you can bring in a big lot on a fine winter's day, place them under the cool bench, where they will grow but little, and hatches can be put into more heat as wanted. If not too cool you could store cannas there for the winter. It would be an excellent place to



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retard flowering plants that were a little early for some of our important dates, and in many such ways a good light space under a bench could be utilized, particularly in a cool house, and that is the most you must expect to do with it.

W. S.

#### Weighing Cycas Stems.

Replying to the inquiry of A. R. the following letters will make plain the usual trade practice:

In answer to yours relative to "the general custom in selling *Cycas revoluta* stems by weight," I would state that it is my opinion that law or custom both could render but one decision in the matter, viz., that the buyer shall receive the full weight charged for by the seller. The buyer has nothing to do with any loss of weight that may occur while the stems are the property of the seller. In shipping such merchandise it is the custom to release the seller from responsibility after he has properly delivered such to the transportation company, but to them he must deliver full weight.

CHAS. D. BALL.

In handling imported cycas stems we usually weigh all dormant stems at the time shipment is made; but as the bulk of our orders for such stock is booked in advance we do not keep them long dormant after arrival. Those not sold immediately we pot, marking the weight on the label; later these are often sold by weight, and there being no means of getting at the net weight when potted we assume the original weight to be correct, believing they do not shrink after potting.

J. C. VAUGHAN.

The practice adopted by us in selling cycas stems is to charge so much per pound for whatever they weigh at the time of selling.

PITCHER & MANDA.

We give full weight here in S. F. and charge according to the order and number

of pounds shipped. If during transit and after storage in consignee's place these stems should lose weight from shrinkage we would not be responsible for such shrinkage. Exportations to Europe are guided by the same rules. Good weight is given when the stems are packed, but if shrinkage occurs in transit the consignee bears the loss. (We will, however, remark that knowing that these stems will shrink slightly we are careful to always give say 3 pounds over in the 100 pounds. Not more than that amount would be likely to be lost in weight). Another point is: If these stems are kept over any length of time after having been received from Japan where they are freshly collected they will shrink a good deal, and such shrinkage should be entirely accounted loss of buyer.

II. H. BERGER & CO.

#### Bunching Small Flowers.

In cutting sweet peas we hold the cut stems lightly in the left hand, keeping the ends of the stems even by letting them rest on the third finger, which is closed more than the first and second for that purpose. As soon as the number of stems requisite for a bunch has been cut a rubber band is put on and it is ready for the retailer, the stems all even without any loss of time. If there is much difference in the length of the stems the shorter ones can be kept on one side of the bunch, so that the blooms on them will not be crushed or hidden by the longer stems. Under average conditions I should call cutting and bunching 600 sweet peas an hour's work for one person.

Bunches of small flowers, particularly violets, often come into this market wound several times around with thread. A small rubber band is neater and is more convenient for the retailer, who may wish to divide the bunch. A size known as "election," about  $\frac{1}{4}$  inch inside diameter, answers for anything not larger than 50 stems of sweet peas. A pound of this size contains about 10,000 bands

and costs here \$1.75—57 for a cent. It seems to me that one who can afford to take the extra time necessary for tying must be using very cheap labor. A convenient size for larger flowers is number 27, about  $\frac{3}{4}$  inch in diameter and running a little less than 3,000 to the pound.

Rochester, N. Y. GEO. ARNOLD JR.

#### Steam Heating.

How large a steam boiler will be necessary to heat six greenhouses, of which one is 30x100, two 20x100, two 12x100 and one 13x90? The walls of the houses are 4 to 5 feet high.

We would also like to know whether we can use for steam heating the  $3\frac{1}{2}$ -inch wrought iron pipes that we have already used for hot water heating, and how many runs of this pipe will be required to heat the 30x100 house suitable for growing carnations? We would like to change from hot water to steam heating, providing we can use the  $3\frac{1}{2}$ -inch wrought iron pipes so as to properly heat the houses by steam.

WM. REUTHER & SONS.

West Bay City, Mich.

Your inquiry in regard to the heating of greenhouses by steam is very indefinite in regard to sizes, neither height of houses nor amount of glass being given, which makes it partially guesswork as to amount of radiation for heating.

We see no reason why you cannot use the  $3\frac{1}{2}$ -inch pipe that you have if the same is wrought iron. An approximate estimate, and one which we think you will be perfectly safe in using, is as follows:

In the two houses 20x100 feet we have averaged the height as ten feet. These houses would require six lines of  $3\frac{1}{2}$ -inch pipe, but should so arrange that a portion of it could be cut off on the warm side of the house by the use of valves. The house 30x100 should have four lines of pipe on each side with one main of the same size running overhead. The house

12x100 should run four lines of 3½ inch pipe, using the main overhead as in the other case. House 13x90 should run five lines, two on each side and one overhead as in the other case.

It is immaterial whether these pipes are placed as specified here, as the general make up and location of the houses would require almost in any case different arrangements for the heating system. The size of boiler required to heat this amount of radiation would be a forty horse power.

Boston. HOLT HEATING CO.

#### "Closer Relations."

BY GROVE P. RAWSON.

Partly in answer to Mr. C. H. Allen, and in view of the fact that closer relations are desired between the parent society and the auxiliaries—pro bono publico—why not state the issues involved, pro and con, through the trade journals, and from the different ideas expressed all around, something satisfactory must be gleaned or evolved for amalgamation? If the auxiliaries are called "sections," as the committee on closer relations suggest, and elect their own chairman as well as working committee, and further, the chairman himself being recognized officially as a member of the executive committee of the S. A. F. because of said office, I cannot see where they lose any individuality as associations specially devoted to the interests of the carnation, rose or chrysanthemum. To my mind there is more dignity for the auxiliaries as a body, with such an arrangement, than any so-called independence. I fail to see how one auxiliary is more independent than another, except in point of numbers. Without the S. A. F. there would not have been evolved any of the auxiliaries, and a wholesome respect is due the parent society therefor.

We are all of us willing to concede this fact, and really desire individually and collectively, as Mr. Allen states, to work on any line or plan that will be advantageous to all concerned. I think I have heard it said a proposition has been made whereby all members in arrears can be re-instated into the S. A. F. by the payment of five dollars, and as new members pay three dollars for membership, the tax on delinquents is therefore very mild.

In regard to membership of florists' clubs and protective associations, I do not understand why they shall pay a less sum for individual membership than the specified annual dues. It seems to me it would be an unfair discrimination over members scattered here and there throughout the states and the Dominion. But I would grant any representative delegate of said florist clubs or protective associations, whom it was their pleasure to send to the executive session, equal privileges pro tem with executive body, and working with them on general matters concerning the welfare of the S. A. F. While not claiming any authority to speak out one way or the other, I simply present my views, and would like to hear from others, as it is a vital subject and will bear free ventilation.

And now for a pet theory of my own, which I always advance on occasion, whether it receive sanction or grim disapproval. I want to see our society extend its usefulness and enlarge its confines. The present appellation, Society of American Florists, is too narrow to suit my ideas of enlargement. We are working as a whole to further the best interests of Flora, and its science ought to enthuse us in the grandest sense, aside from business considerations. Surely it cannot be said that the larger field of labor would neces-

sarily curtail unanimity of feeling and good fellowship. The art of Flora is a science and an open door to all her devotees, embracing horticulture, arboriculture and our special department of floriculture. Say, give us a more general name—National Society for the Advancement of Flora—or if thought necessary abbreviate to "Society, Advancement of Flora"—still S. A. F., don't you see? And adopt the pansy for a badge or emblem, gotten up in nickel. I make a motion to this effect. Who will second the proposition, and vote in its favor?

Am I in the clouds of visionary irrationality? I don't think so. Interest the great body of amateurs in a national society of Flora, and grand work will be accomplished along the line of the progressive spirit of the age. Now, please don't consider me a Darius Green. I never like to get up so high that I cannot see my way clear, and it I must "come off" my high horse I propose to light on my feet.

#### A Novel Enterprise.

I want to tell the readers of the FLORIST about as nice a bit of business enterprise in its way as ever I came across in my canvassing for custom, quite unique in the floral trade and well worth imitating.

It was in a manufacturing town down east. Every time I stopped there, regardless of the season, I noticed a more than ordinary display of well kept decorative plants and flowers. Not only the hotel parlor and dining room was always supplied either with plants in bloom or some select variety of palms, but frequently also I found one or two pretty flowers in a simple vase on the bureau in my room. So when I called on my customer, Mrs. Leigh Jones, I asked how it came that people in B— showed such a general fondness for plants and flowers. Mrs. Jones, who conducted the oldest of several florists' establishments which the place afforded, with a rather surprised look, replied, "Why, have you only now observed this?" "Oh no, but I have repeatedly meant to ask you why it was, but omitted to do so when I called; there must certainly be some reason for all this which has escaped me."

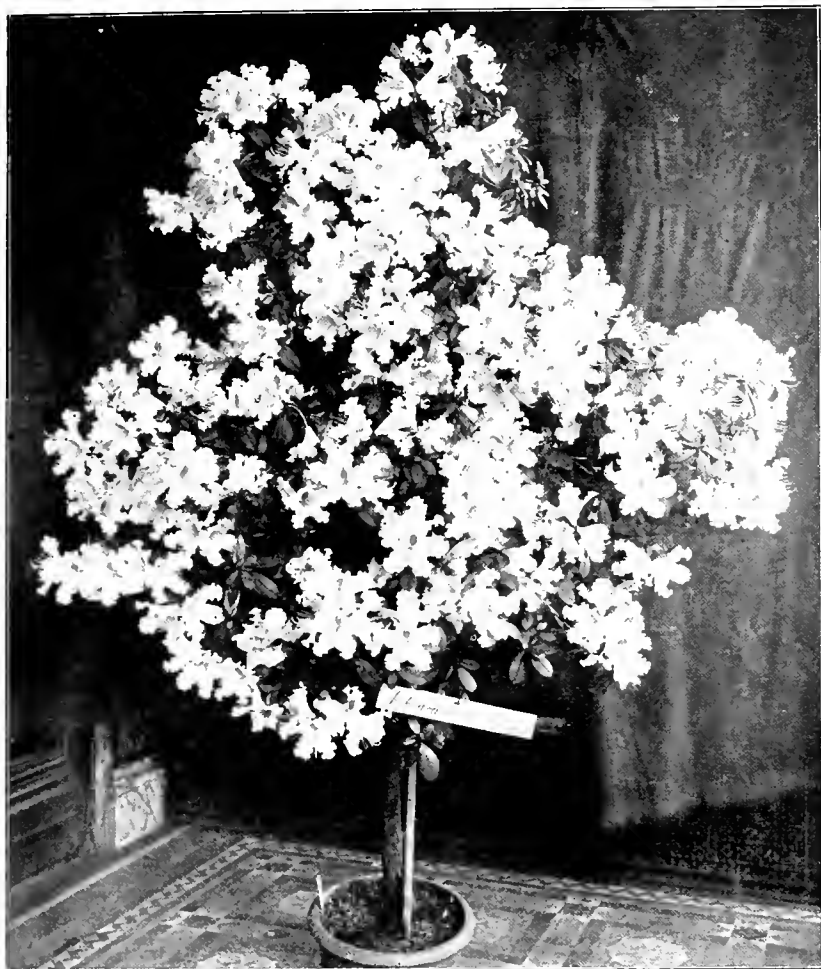
"It is simple enough to know why when I tell you," Mrs. Jones replied. "It came about in this wise; you see I was a teacher in the eastern part of the State when I married Leigh Jones, I had taught young ideas how to shoot, and when Leigh died six years ago I felt satisfied unless I bestirred myself his competitors would soon get the advantage of me. In my school I had inculcated in my pupils a love for plants and flowers, until their presence upon the window sills of our school room no longer gave rise to comment among the children, but their scarcity or absence at once did. The fact is, not only myself but my pupils found flowers and plants a necessity in order to give our school room an air of attractiveness, restfulness and refinement. This feeling, especially in women and young people I thought could be appealed to and cultivated here in this place, until it became a habit, and I set about doing it, strictly with an eye to business. First of all I enlisted the co-operation of the public school teachers, then of the members of the Flower Mission, whom I promised in return gratuitously every week a tray full of cut flowers or green sprays for the hospital. I then called on the wife of the Episcopal minister and stated I would like at the next meeting of the Ladies' Aid Society to make a proposition to furnish by the year the

altar of their church, regularly every Sunday and on all other established days of public service, with cut flowers or decorative plants at a figure I felt sure they would find within their means. At the meeting following I stated my project and suggested a special floral committee be appointed to have entire supervision of the matter, to raise the required funds by monthly subscriptions and for special occasions approve or modify my decorative designs. The aggregate amount to be raised for their church need not exceed \$100 for the whole year, which would include what I should consider here, ample decorations at Christmas, Easter and Thanksgiving, the flowers or plants to remain in church until the close of the evening service or following morning, when I would send for them.

"It required some figuring to convince several of the more economically inclined ladies, that during the past two years they had actually expended more for floral decorations than I had suggested desirable to raise, to say nothing of the labor and worry they were at times subjected to, and yet the church had repeatedly been without suitable flowers or plants for weeks at a time. It was finally agreed they would try my plan for a year. Since then no one has intimated that I know of that its discontinuance would be desirable.

"I next called on the Catholic priest and enlisted his aid in organizing a society of young people to similarly supply his church with flowers. After some effort this too succeeded and before I ceased my efforts in this direction, I had arranged with four out of the eight churches in the place to thus supply them regularly with flowers or plants varying in amounts from \$25 to \$100 per year. But I did not propose to stop there. I canvassed all of the more prominent pharmacies, dry goods, jewelry and notion stores, all of the hotels, restaurants, tobaccoists and undertakers, all photographic and other studios, milliners and dressmakers and even a number of lawyers and physicians, and you would be surprised at the number of patrons I secured and have ever since supplied weekly with blooming or decorative plants throughout the year at prices ranging from \$5 to \$50 per annum, according to service. And this was not all. I thought a sufficient number of families could be secured who could and would be willing to pay weekly from 10 to 50 cents for a regular stated supply of cut flowers, blooming or decorative plants. In this I have not been disappointed. By dint of perseverance, argument, moderate prices and strict attention to my obligations I succeeded in securing a patronage which now that it is in good running order far exceeds in revenue that attained by my late husband. Not alone myself but my competitors have profited by it and the community as you see has converted its town into a veritable bower of floral beauty. I admit it exacted hard work and close attention to the business to preserve a satisfactory standard of supply at all seasons, but the constant variety which skill and thought can impart to such a business has made it both attractive and interesting. Barring the occasional serious injury or loss of some valuable plants, now that the experience of several years has been gained, this plan of a systematic floral exchange and supply operates like clock work. I have two wagons engaged daily almost exclusively in this special department of my business. I have neatly painted wooden cross barred trays made expressly to fit them for this work, and every





RHODODENDRON VEITCHIANUM

delivery of plants is accompanied by printed directions how to care for them.

"It was well this business developed slowly but steadily, as it afforded one a better opportunity to study its needs and organize it alike satisfactory to myself and patrons. It has effected a marked increase of sales, as many especially of my decorative plants are purchased by my patrons rather than surrender them. Each patron at the start is supplied with from two to six or more plants according to the fixed terms which you see here in this neatly printed complimentary booklet. My wagons call regularly every week or oftener and replace all faded or drooping with blooming or fresh plants. In some families only one or at most two plants need to be exchanged and some people grow so attached to their plants they prefer no exchange be made for weeks at a time, in fact some purchase them outright. At the beginning I personally attended to these exchanges, it requiring quick judgment, dropping a few words of encouragement or advice here and there, etc. Now I have trained and trusted assistants who do it, and I simply attend to the weekly, monthly, or quarterly collections, availing myself of the opportunity to do some requisite inspection. In addition I have started a smart young woman as canvasser in the town across the river. Why, my dear sir, I am satisfied fifty years hence flowers and plants will be served in towns and cities just as milk, bread and ice are now served, they will no longer be a luxury but will have become a necessity!

"Here you see are my terms for a supply say of six pots, plants requiring it, exchanged weekly: 4-inch, 10 cents; 6-inch, 15 cents; 8 inch, 25 cents; 10-inch, 35 cents. This will seem to you as if it could not possibly remunerate me for my trouble. I find it does very well with my system of conducting the business. But my cut flower, or as we call it here my 'posy' supply system has kept pace with my plant exchange, and is destined in time I think to exceed it in commercial value. I have already quite a number of patrons whom I supply throughout the year weekly, others semi-weekly and a few daily with posies or loose cut flowers and several with boutonnières, ranging in prices from 5 to 50 cents for each supply, or from 50 cents to \$5 and even more per month. Among the best of my boutonniere patrons are several well known bachelors.

"It is not every one who is qualified to conduct such a business. One of my competitors tried it, but was unable to make it go; another has built up a flourishing business and keeps me stirring in order to hold my own. But there is lots of room in other places to inaugurate this line of trade and succeed just as well as we have here. You would be surprised to see the increase and steadiness of our sales as compared with former periods. But, as I have said it requires skill, judgment, perseverance and hard work to make it pay and become what it is to me; a real pleasure and continual joy."

This in substance is the story of Mrs. Leigh Jones's success.

J. H.

#### Rhododendron Veitchianum.

The beautiful plant figured in our illustration belongs to the tender section of the rhododendrons, and is a native of Moulmein, being introduced in 1850. The flowers are pure white, growing in clusters of two or three on the apex of the branches. The corolla is large and tunnel-shaped, waved and crisped along the edges. The plant illustrated is considered the grandest specimen known. It was grown by R. Standford, gardener to Lord Mount Stephen, Montreal, Canada, and was recently sold, being now in the Angus collection, of which G. Wilshire has charge. The beauty of this plant, loaded with its pearly blossoms, cannot be overestimated; it reflects high credit on its grower. Certainly some of the showiest flowering plants for conservatory decoration may be found among tender rhododendrons.

#### New York.

The New York Cut Flower Company opened its doors for business at 119-121 West 23rd street on the morning of September 2. The place is well equipped for the transaction of a large business, and the handling of the enormous quantity of flowers which will pass through this company's hands. Twelve tons of ice is required to fill the big refrigerator. Great preparations will not make business, however, where there is no business, and without any doubt the past fortnight has been one of the dullest times ever experienced in the flower trade in New York. A sale of fifteen hundred roses for one dollar at the 34th street market and the ruling limit of one dollar per thousand as offered by the Greeks for unassorted stock shows the condition of the market. There is a big deluge of asters, tuberose, hydrangeas and outdoor flowers of similar character sent in every morning to such houses as are willing to receive such stock, and the net results will scarcely pay express charges.

Recent visitors in town: B. Ulam, Pittsburg, Pa.; Thos. J. Wade, Albany, N. Y., and J. F. Huss, Lenox, Mass. The latter said on La Champagne on August 31 on a visit to his native town in Switzerland.

Frank Millang has gone a two weeks' vacation in Pennsylvania. Charlie Carlin has returned to his post at Thorley's, and M. A. Hart's smile once more illumines West 30th street.

F. R. Pierson, J. N. May and Robt. Craig have been heard from. They were at Ghent and visited the famous nurseries there. They are booked to sail for home on September 7.

A. & F. Rolker have opened a downtown cut flower commission department in their auction rooms at 106 Liberty street.

A. Schultheis is sending in some very finely bloomed ericas which a little later on should find a ready sale among the retail stores.

The "wild flower garden" in Prospect Park, Brooklyn, has caught the popular fancy and many admiring visitors flock to see it.

#### Boston.

Business is at a standstill here at present. It is if anything duller than at any time during the summer. Outside of a little funeral work there is absolutely nothing doing. The opening of the public schools next week will bring people home from mountains and seaside, and there should be an immediate improvement thereafter. Nothing more than a



general tidying up is noticed in the way of advancement among the florists' stores, no new establishments or extensive alterations in existing ones being under way. In the meantime the growers are busy preparing for the coming season, and rose, carnation and chrysanthemum houses are receiving close attention. The season has been remarkably favorable for outdoor vegetation, and gardens and lawns never looked better than at the present time. Cool nights have been the rule, going dangerously near the frost line occasionally.

The garden committee and others to the number of eighteen, representing the Massachusetts Horticultural Society, made a trip to Pomfret, Conn., Tuesday, August 20, on invitation to inspect the grounds of Mrs. J. W. Clark. They were received most cordially, and entertained most lavishly by Mr. John Ash, the gardener, and Mr. J. Crowley, the superintendent. They found the grounds to be beautifully laid out and the scenery fully equal to that of the famous Berkshire Hills. The greenhouses were in splendid condition, and the crop of grapes unsurpassed. One of the pleasantest features of the visit was a trip to the peculiar rock formation known as the "Wolf's Den," in connection with which an entertaining story is told of an exploit by Gen. Putnam more than a century ago.

Boston has been favored with many visitors recently, including members of the craft from all sections of the country. Besides those mentioned in last week's notes there were F. H. Moses, Bar Harbor, Me.; W. F. Gude and Adolphus Gude, Washington, D. C.; W. A. Kennedy, Chicago; A. Miller, Chicago; Geo. Thompson, Ed. J. Norman, A. H. Wingett, Lenox, Mass.; H. S. Follwell, Newport, R. I.; and C. B. Weathered and family, New York.

W. A. Bock's establishment at North Cambridge is one of the best kept florists' places in the country. The bedding in the grounds surrounding the greenhouses attracts many sight-seers. The display of geraniums is especially brilliant. Mr. Bock has taken out all the 4-inch pipe in his houses and replaced it with 2-inch. One large house has been added this season.

The annual exhibition of plants and flowers is in progress this week at Horticultural Hall.

#### Chicago.

Market conditions remain about the same. The early part of the week trade was quite brisk; there was rather less stock coming in, owing to the cool days, and sufficient demand to use it up, particularly light colored flowers. The warm days towards the end of the week, however, increased the stock, and sales fell off. The quality continues to improve. Kaiserin is very good, selected stock going up to \$3; this is the price for fancy roses, good ordinary remaining at 1.50 to 2.50. A lot of the small stuff falls below this. Beauties remain at \$2 a dozen for first quality, and scale down from this to \$2 a hundred. Some good, well colored flowers are being cut from young stock. Belle Siebrecht has not yet appeared, though Bassett & Washburn say it is already inquired for; without doubt the fame of this rose is already well diffused outside of the trade, so it is likely to be an object of interest to critical buyers during the coming winter.

In carnations select disbudded Tidal Wave and Mrs. Fisher still sell for \$1 a hundred, field stock and good ordinary 50 and 75 cents. Field-grown Daybreak is

extremely plentiful. Asters are again plentiful, being shipped in from outside points, and prices have dropped to 60 and 75 cents for the best. There is a big stock of gladiolus, tuberose and such stock, which goes at any price.

At the ball match September 1 the wholesalers were the winning team. The afternoon outing proved a very pleasant occasion to all who were present.

The Lincoln Park Board asks for \$500,000 for the coming year's maintenance and improvement.

The greenhouse establishment of John Muir at Maywood was nearly destroyed by fire last Saturday, the boiler house, potting shed, storage room and water tank, besides about 25 feet of one end of each of his seven 100-foot houses being burned. Cause, explosion of gasoline pump. Amply covered by insurance. Rebuilding already commenced.

Robert Johnstone has bought the establishment on Crawford avenue, Irving Park, formerly owned by C. Converse. The place is now undergoing a thorough rebuilding and general overhauling, and next year several new houses will be added. Mr. Johnstone is a carnation specialist and intends growing only rare and choice varieties for the Chicago market. One house 20x100, will be used for growing a general stock of plants and cut flowers for his home trade.

Visited Chicago: H. D. Seele, Warsaw, Ind.; W. H. Ellis, Milwaukee.

#### Philadelphia.

This section of the country is in need of rain, the shrubbery, grass, outside stock for winter use, and in fact everything is suffering for water. While the drouth is bad enough in this neighborhood, where the soil is heavy, it is trifling compared with that across the river in New Jersey, the extremely light soil there suffers to a greater extent than elsewhere. A recent visit to Burlington showed the effects of drouth; carnations have not made their usual growth, and will doubtless have to make up for lost time after getting inside where water and attention will be more liberally bestowed.

The Philadelphia Florist Gun Club were at the traps on Saturday, 31st ult. There were no records broken in the line of scores, but an average run was made by all.

Robert Ramsey, who for several years has acted as salesman for Mr. Lonsdale has embarked in the retail cut flower business. He opened up on Twelfth street below Walnut street, on September 3.

Thos. Cartledge intends removing to the suburbs, he is about making extensive alterations and additions to the Cartledge homestead at Holmesburg, which he will occupy when completed.

Capt. John Burton and family left on the 4th inst. for a two weeks stay at Atlantic City. Mr. B. takes his trusty gun along, and as this is the season for mud hen shooting, we feel sure there will be less birds of the above species, when John gets a whack at them.

Commodore John Westcott also left on the 4th inst. for Barnegat Bay, reports having reached his ear, to the effect that there was a great run of fish in the bay, and that settled it with John.

Bart Cartledge is doing the swamps of the upper Delaware, gunning for rail and reed birds.

Mr. and Mrs. E. A. Wood made a brief stop in town en route for Denver. Elijah is always a welcome visitor.

The September meeting of the Florists' Club was held on the evening of the 3d

inst. The meeting was exceptionally well attended for this season of the year. Mr. Joseph Heacock gave a resume of experiences, and impressions of the recent convention. The Whilldin trophy was bought to the meeting by Capt. Burton, who unveiled it, accompanying the act with a neat and catchy speech, alluding incidentally in the most sympathetic manner to the misfortunes attending our bowling team. So well pleased was the club with the work of the gun club that a motion was offered and carried, thanking the shooters for able work in the convention contest. Capt. Linc Brown of the bowling team reported that his team played at the convention, but evidently they were not in it. The club unanimously passed a resolution of thanks for the many courtesies received while in the Smoky City.

The following candidates were put in nomination for office to serve during the ensuing year: President, Robert Kift; vice-president, David Rust; treasurer, Thomas Cartledge; secretary, Fred'k Michell.

#### Baltimore.

"Crape pulling" as the scornful opposer of the practice calls it, or the solicitation of orders for funeral designs at the house of mourning at as early a period as possible after a death, as the rest of the world would designate it, has its apologists, as a short conversation with a well known florist the other day would seem to show.

Casually mentioning the name of a certain maker of funeral work with the remark that he was not supposed to be the only "crape puller" in town this gentleman replied: "No, he isn't, I'm one, and so is — and — and —," mentioning three others. "And there's — that belongs to as many societies as he has fingers and toes. Let a man die in one of them and ain't he after the job like a dog after a rabbit? Why, the best funeral trade in the city was started by a man who went to every house in the death column of the papers every morning. Yes, I'm a crape puller, and, though I don't go around personally, I'm no more ashamed of it than I would be of drumming groceries or dry goods. Why should I be?"

Why, indeed? It was a question of propriety involving shades of opinion and usages of society which the scribe did not feel competent to discuss, so he "dropped" the subject and took up the more congenial one of supply and demand, and was soon deep in the question of why Baltimore, with its southern position and generally mild winters, does not supply Philadelphia and New York with cut flowers instead of drawing from them so heavily every season.

Reports from the Harford Road indicate a prosperous state of affairs in that location; Jas. Simpson has chrysanthemums in 12 inch pots that are as stocky and vigorous as possible, and his single stems, in eights, are marvels of careful cultivation. His violets are all in 3-inch pots yet, but are looking first-class. In common with the rest of the floral world hereabouts he is putting up new glass, one of his houses being just completed. His 'mums may be beaten at the show, but not by anything far short of perfection.

P. Erdman, who lives on the same pleasant thoroughfare, goes more for carnations, and, judging from the size (eight or ten inches diameter) and thrifty look of his plants, no one could blame him for growing them exclusively. But then a house of violets just planted out

gave evidence of success in that line too, for they were certainly fine. One new house 100x20 here too.

John Donn is in that neighborhood too, but suffice it to say that his stock is looking good. This paragraph may be labeled "To be continued in our next."

Temperature has been as high as 90° and as low as 48° during the week, with one very heavy rain of a few hours' duration.

Considering the general cry of hard times the amount of building going on is surprising. To be sure, in many cases, old houses are pulled down to make room for the new ones, but the new ones are always larger and better in every way. Is it that, finding the smaller net profits, consequent upon the hard times, inadequate to support him, the owner tries to increase his glass, hoping thereby to increase the gross and, ultimately, the net returns? The improvement in style and material might be attributed to an effort to improve the quality of the output, for the same reason. Whatever the cause, the fact remains for us to rejoice over that, when the S. A. F. holds its convention here in 1897, we will have greenhouses to show, that, in the main, we will have no cause to be ashamed of.

MACK.

#### Cleveland.

Business has of late shown some slight improvement over the previous week, more especially in the line of funeral work. Sweet peas are about through, the few that still come are getting very poor, with but a very slight demand for them. Asters also are shortening in supply, their quality this season has been decidedly poor with many growers by reason of the dry weather during their period of greatest growth. The aster bug also got in his deadly work on places where he has heretofore never been seen. H. A. Hart has lost hundreds of dollars worth of what would have been good stock had it not been for this pest. William J. Leitch, who had his all under glass, probably furnished the best that came to the market this year. Others who grew them in the same manner lost them through the ravages of red spider, so that it appears as if the florist could pay his money and take his choice—plant asters outside and have them dried up or eaten up, or put them inside to fatten red spider on.

A meeting of florists was called for the evening of September 3, at which the initial steps toward the formation of a club will be taken. The committee in charge of the preliminaries has worked well and faithfully, and it is hoped that all florists, gardeners and others interested in these pursuits will take hold now and do their part. There are plenty of us to get up a club that will be worth while belonging to; one that will advance every member's interests, so that aside from the benefits and enjoyments of fraternity good cold business reasons exist, which render it advantageous to possess membership in such a club. For one thing, it often happens that one has surplus stock that, failing a purchaser, goes to the dump an absolute loss; at the same time some other fellow is sending his good money out of town for that very article, and paying in addition to the market price a considerable transportation bill. Besides this and other commercial advantages less directly apparent, there is the community of interest that is brought more directly and forcibly home to every member—a condition that tends to bring about a better feeling, and often

thereby helps to do away with unnecessary and unbusinesslike competition. Many other little things also will occur to every florist who gives the matter some consideration, and it is sincerely hoped that all will join to help toward a successful consummation of an object so directly aiding the best interests of all.

A.

#### Buffalo.

There is a great abundance just now of fine asters in town and the price asked for them on the market would, it seems, hardly pay the picking. There are flowers enough of all kinds for the demand except Beauties, of which some more could be sold. We have now entered September, and rumors of weddings are afloat. There is sure to be the usual crop of these pleasant affairs, but hard times for the past two years kept them down to very unpretentious dimensions. And then it seems to me if expenses have to be curtailed it's the poor florist who always gets the severe cut. Blue points, quail on toast, etc., they must have, but posies they can dispense with.

The fine conservatory in Forest Lawn is now complete and will soon be stocked with a choice assortment of palms, ferns, dracaenas, etc. The park greenhouses are also being pushed rapidly to completion and will be ready to receive stock before our usual frosts occur.

Wm. Scott expects to vacate his down town store on the 15th of this month and remove his business to the new store he has just completed on his own property, corner of Main and Balcom streets. This is a case where the city has come to him, and he thinks the expensive luxury of a down town office can be dispensed with; we trust he is right.

J. H. Rebstock has just finished the two fine houses began a month ago on his Elmwood avenue property.

Labor Day seems to have been more observed in this city than ever before. The city had a regular Fourth of July appearance, and actually most of the florists kept half holiday.

We had a visit from Mr. and Mrs. Gus Knoch of Woodmere, Mich. He can talk cemetery work to beat the record, and is an enthusiast. He thought from an artistic point our Forest Lawn was perfect, but from the florists' standpoint it was not as profitable as many others run on a different basis.

Mr. Henry Neimeyer, wife and sister called here on their way home from an extended eastern trip. Henry looked as good tempered and prosperous as a Chauncey M., and there is not the slightest doubt his appearance was a correct indication of his condition. W. S.

#### Hardiness of the Rose Geranium.

"J. McP." in a note on page 54 refers to plants of unsuspected hardiness. Others may be aware of the hardiness of the rose geranium, but I have never seen it alluded to. Yet a batch left out in the fall of '93 came up from the root in the spring of '94, after enduring a winter of extreme severity—17 below zero at one time—and again reappeared this spring. Last winter our mercury recorded 12 below zero and a brisk gale accompanied it; and all in all was the severest winter ever known here. The plants had been abandoned in '93 and had no protection whatever but their own tops; and in '94 the conditions were deliberately repeated experimentally. CHAS. H. DARLINGTON.

Morristown, Tenn.

#### News Notes.

CHADRON, NEB.—Mrs. W. M. Cooley has recently entered the trade as a retail florist here.

PESOTUM, ILL.—Sherry Spencer is building one new house 18x63, short-span-to-south. He is adding a nursery department to his florist business.

HOLYOKE, MASS.—A successful exhibition of sweet peas and other seasonable flowers was held at Mountain Park Pavilion on August 29 and 30.

MARBLEHEAD, MASS.—The fifth annual flower show which was held on August 29 was one of the most successful exhibitions that has ever been given here.

WOBURN, MASS.—R. M. Pitman has bought the Walnut Hill Greenhouses, owned by the late E. G. Bridge, and will continue the business as heretofore.

SPARKILL, N. Y.—Germond & Cosgrove have dissolved partnership. Mr. G. H. Germond will continue the business. Mr. Cosgrove has taken a position with the New York Cut Flower Co.

PORTLAND, IND.—The Portland Floral Co. has added three new houses 20x80, short-span-to-south, for roses, carnations and smilax. Trade fair; most outdoor stock suffering from drouth.

RUSHVILLE, IND.—Geo. F. Moore has bought ground near the city and built two new houses on it, 75x11 and 75x20, with office and boiler shed. Two more houses are to be built this fall, 30x15 and 75x12.

NORRISTOWN, PA.—Wm. Yeager, the florist, has purchased the stores and dwelling at 76 and 78 East Main street, for a consideration of \$22,000. Mr. Yeager will improve the building and will occupy one of the stores.

CENTRALIA, ILL.—A. W. Webster has purchased a fine piece of property on South Locust street, only a few blocks from center of town, and will next year build a fine range of greenhouses with store room and office complete. The season has been very hot and dry and business dull.

ALEXANDRIA, IND.—Harry W. Lee is building two new houses, each 11x100, also a small propagating house 9x16. These, like the rest of his houses, will be heated with steam. The Alexandria Floral Co., which began in a small way last year, is adding a new house 20x100. Will be heated by flues.

TAYLORVILLE, ILL.—In this vicinity farm crops are seriously damaged by drouth, grub worms and chinch bugs. Corn will not be more than one-third of average crop. No grass cut here this season; the grass in both meadow and pasture being nearly all killed by drouth and grub worm. The worms have eaten the grass roots off so that the dead sod can be rolled up like a carpet; never had such a visitation here before. Trade of all kinds is dull in consequence.

#### Sioux City, Iowa.

Mr. J. C. Rennison is traversing the East, visiting New York, Philadelphia, Boston and other points.

Mr. J. R. Elder has added a rose house 75x18 to his Riverside plant. Mr. Elder has a fine house of chrysanthemums; he is making preparations for a chrysanthemum show for the 10th of November.

X.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

**Catalogues Received.**

Geo. Hancock & Son, Grand Haven, Mich., tradelist carnations; H. F. Michell, Philadelphia, trade list bulbs; John Gardiner & Co., Philadelphia, fall trade list bulbs, seeds, etc.; Ellwanger & Barry, Rochester, N. Y., bulbous plants, retail; same, pot grown strawberries; John A. Salzer Seed Co., La Crosse, Wis., seeds and bulbs; Levavasseur & Sons, Ussy, (Calvados) France, nursery stock; The Geo. H. Mellen Co., Springfield, O., plants and bulbs at retail; H. H. Berger & Co., San Francisco, Cal., Californian and Japanese plants and bulbs.

**Foreign Notes.**

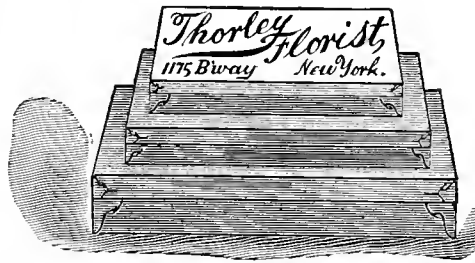
*Dendrobium Hildebrandii* is a recent addition from the South Shan States (between Siam and Burma). The sepals, five in number, are somewhat crimped, and the two lateral ones measure from  $2\frac{3}{4}$  to 3 inches, of a creamy white color. It is showy, and seems likely to be floriferous.

M. Chedanne Guinoisseau, the well-known rose grower of Angers, France, has been decorated with the order of *Merite agricole*.

*Bentinckia nicobarica* is a handsome new palm from Central Asia, recently exhibited by Sander & Co. before the Royal Horticultural Society, receiving a first-class certificate. The habit is that of a kentia, the foliage a handsome light green. It seems a valuable acquisition.

**Putty.**

A subscriber writes as follows: "We would like to know what is the best putty for glazing greenhouses with, and the best way to prepare it for using with a putty bulb. We find the ordinary putty scales off every year almost; we suppose the whitewash causes that a good deal." This question has been referred to me, but as I can glaze a house and prefer to do it without using an ounce of putty I am hardly the proper authority on the subject. However, we have to use putty in fixing up old houses, and for the last ten years have always procured the best putty in the market, and then added one-tenth of whitelead and mixed thoroughly through the putty. That makes all the difference in the world, and you won't find your putty rot with the lead in it. For using with the putty bulb to run down the sash bar use one-fourth of white lead, reducing it to the right consistency with linseed oil. If run through a fine sieve before using it will run all the better from the bulb. I hope our friend does not go to the useless expense of putting on the outside or top of glass, as is ordinarily done on window sash. It is utterly useless on greenhouses. W. S.



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from now until June 1, 1896. Write for particulars.  
CEO. A. KUHL, Pekin, Ill.

Rochester, N. Y.

The W. S. Little Company, nurserymen of this city, was incorporated this week and will carry on a general nursery business as heretofore, and in addition thereto will deal in seeds also. The capital stock is \$15,000 and the directors are Chas. Little, Hiram W. Smith, John W. Smith and Samuel C. McCown, all of Rochester.

Mr. W. C. Barry and family have returned from the Catskill mountains.

The retail flower trade is still in fair condition, some of the stores have been really busy some days in the past week, mostly with funeral pieces, and a few small wedding decorations, but flowers are very plenty and the ash barrel gets its share every morning. Carnations are rather short in supply, and what few we get are below the average in quality. We have fine growing weather yet, and outdoor stuff is making up fast for lost time. J. B. K.

Pittsburg.

Everything appears quiet and dull in the florists' line after the bustle and stir of convention week, but the opening of the theater this week and the return of some of the summer tourists, brighten the business outlook materially, several of the dealers reporting an improvement in sales already. There is no noticeable difference in varieties of flowers coming in since last week; as reported then, carnations, gladiolus, asters and tuberoses form the bulk of the stock, plenty of them and all of good quality. REGIA.

GALESBURG, ILL.—I. L. Pillsbury is making many improvements, building a new greenhouse 20x40 for chrysanthemums and putting in a large boiler to heat the whole plant with hot water.

**"The National"**

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

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**PAUL M. PIERSON,**

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If you want First-Class Flowers, properly packed and  
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We are now prepared to furnish Florists' Wire  
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 Cut Strings, 8 to 10 feet long,  
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Roses, general list.....	1.00@ 3.00
" " per 1000.....	5.00@10.00
" Beauty extra.....	5.00@10.00
" " ordinary.....	1.00@ 5.00
Carnations, ordinary.....	25@ 5.00
" extra.....	50@ 1.00
Valley.....	2.00@ 3.00
Sweet peas, per 100 bunches.....	50
Auratum lilies.....	3.00
Asters.....	25@ .50
Glabrous, stalks.....	.50@ 1.00
Tuberose, stalks.....	2.00
Hydrangeas.....	1.00
Smilax.....	8.00@10.00
Adiantum.....	.75@ 1.00
Asparagus.....	50.00
BOSTON, Sept. 4.	
Roses, general list.....	1.00@ 4.00
" Beauty.....	10.00@15.00
Carnations.....	25@ .50
" extra.....	.75@ 1.50
Asters.....	25@ .50
Valley.....	2.00@ 4.00
Sweet peas.....	.10@ .30
Lilies, white Japan.....	1.00@ 2.00
Glabrous.....	.75@ 1.00
Adiantum.....	10.00@12.00
Smilax.....	50.00
Asparagus.....	50.00
PHILADELPHIA, Sept. 4.	
Roses.....	1.00@ 4.00
" Beauties.....	10.00@15.00
Carnations.....	25@ 1.00
" short outdoor white.....	35.00@50.00
Valley.....	3.00
Cattleyas.....	25.00@35.00
Sweet peas.....	15.00@25.00
Smilax.....	50.00
CHICAGO Sept. 5.	
Roses, Beauties long.....	10.00@15.00
" short medium.....	2.00@ 6.00
" Large teas.....	1.00@ 2.00
" select.....	3.00
Carnations, select.....	.75@ 1.00
Glabrous.....	.50@ 1.00
Asters.....	.60@ .75
Hydrangeas.....	4.00@ 6.00
Smilax.....	8.00@10.00

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 Successor to PECK & SUTHERLAND,  
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 is prepared to purchase, on order, and  
 ship Trade orders for Cut Flowers at  
 prices ruling in the market on day of  
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 Long Distance Telephone "Haymarket 638."

You will benefit the American Florist  
 by mentioning it every time you  
 write an advertiser in these columns.

**John I. Raynor,**  
 49 WEST 28th STREET,  
**NEW YORK.**

**SPECIALTIES FOR SUMMER**  
**SHIPPING:**

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**METEOR,**  
**VICTORIA,**  
**TESTOUT.**  
**SWEET PEAS. EXTRA SPECIAL.**

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**Chrysanthemums.**  
 Choice varieties for planting,  
 \$2.50 and \$3.00 per hundred.  
**NATHAN SMITH & SON,**  
 Adrian, Mich.



## The Seed Trade.

### AMERICAN SEED TRADE ASSOCIATION.

S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Chambers  
St., New York, Sec'y and Treas.

MR. C. CROPP is in Chicago.

MR. J. C. VAUGHAN is in the east.

E. V. HALLOCK is taking a vacation in the Catskills.

MR. W. ATLEE BURPEE of Philadelphia is reported as having sailed from Southampton for home on the Normannia August 29.

NEW YORK.—Recent visitors: S. B. Dicks, representing Cooper, Taber & Co., London; J. Comont, representing Carters', London; and Wm. Meggatt of Wethersfield, Conn. Mr. Meggatt states that the crops in Connecticut never looked better. The season has been a grand one, just enough rain, just enough sun, and everything just right.

THE Northrup, Braslan, Goodwin Co. at Minneapolis have disposed of their entire retail catalogue department to the John A. Salzer Seed Co. of La Crosse, Wis. Beginning September 1 they will confine themselves, both at Chicago and Minneapolis, exclusively to the growing and jobbing of seeds, intending to increase their business on both these lines.

CHARLEVOIX, MICH., Sept. 5.—The large seed warehouse of D. M. Ferry & Co., located here, collapsed to-day. Five employees had just left the building, as had also several ladies visiting the establishment. Superintendent Coulter was sitting in the office alone when a cracking sound warned him of danger. He took the books and left, but none too soon, as all three floors fell to the basement as soon as he reached the ground. Machinery for cleaning and sorting occupied two of the floors, and 70,000 bushels of peas were stored in bags on the other one. The loss will not be less than \$15,000.—*Chicago Inter Ocean.*

### Syracuse, N. Y.

The management of the New York State Fair have at last realized the fact that the display of plants and flowers is one of the greatest attractions, and this

year erected a magnificent building for holding the exhibit in. It is 200 feet long by 50 feet wide; in the center rises a large dome to the height of 50 feet. From the center of the building wings 60x40 extend on each side. The sides and half of the roof is glass. The plants were arranged on oval and round tables 13 feet in diameter which enabled each exhibitor to stage his plants to great advantage.

In the florists' class P. R. Quinlan & Co. swept the board, their exhibit of stove and greenhouse plants, palms, ferns, begonias, geraniums, etc. was most extensive, with well grown plants, and the effect was very fine; H. Youell was second with stove and greenhouse plants, palms and ferns. In the gardeners' class, Mr. D. Campbell took first honors for stove and greenhouse plants, ferns and palms, and second for begonias and geraniums. His exhibit was a very choice one, showing some rare specimens. Mr. G. Ham, gardener at the State Asylum for Feeble Minded Children staged a very nice lot of greenhouse plants, geraniums, begonias, etc.

The display of cut flowers was very extensive and more than filled each side of the building. In this department Messrs. Quinlan were most successful, their collections of gladiolus, asters, roses, dahlias, lilies, geraniums, etc., were very extensive and complete, and out classed all competitors. C. Beckstedt, Oswego, had also a large exhibit of gladiolus, dahlias, ver-

benas, etc. G. Ham was also a large and successful exhibitor in many classes. As the names are not put upon the prize cards I am unable to give a full report of the prize winners. The Central New York Horticultural Society, Syracuse, secured the second prize for a collection of fruit, staging 444 plates. H. Y.

### Greenhouse Building.

New Haven, Conn., N. A. Baldwin, three houses, each 19x78.

No. Leominster, Mass., Wm. J. Nutting, one house.

Falls Village, Mass., Geo. Smith, one chrysanthemum house.

Philadelphia, Pa., Wm. Dider, Cemetery avenue, one greenhouse.

Burlington, Vt., C. P. Jones, one commercial house.

Sudbury, Mass., J. Butterfield, one carnation house.

Worcester, Mass., H. F. A. Lange, one commercial house 25x200.

Cambridge, Mass., W. A. Bock, one commercial house 26x160.

## TELEGRAPH CODE

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\$2.00,

In either stiff or flexible cover.

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MINNEAPOLIS: 20 to 28 Hennepin Avenue.

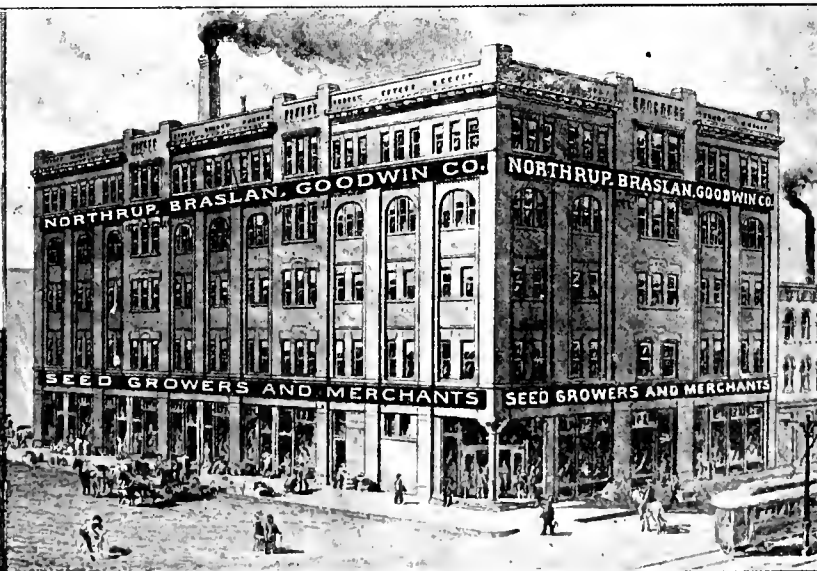
CHICAGO.

\*

The disposal of our retail catalogue business places us in better position than ever to care for the Jobbing Trade. We will be glad to quote you prices at any time. We are Headquarters in this line.



Chicago House.



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## Bulbs.

New Catalogue now ready. Mailed free on application. We quote

**TULIPS** in mixture, \$3.50, \$5.00, \$6.50 a thousand, according to grade.  
**CROCUS** in mixture, \$2.00 and \$4.00 a 1000.  
**HYACINTHS** in mixture, \$22.50, \$27.00 and \$38.00.  
**NARCISSUS** *Incomparabilis*, yellow, single or double \$6.00 a 1000.  
**CAMPANELLES**, golden yellow, \$3.50 a 1000.  
**JAPANESE LONGIFLORUMS**, 7 to 9 in. \$45.00 a 1000, and so on. All less 10 per cent. cash discount.

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YELLOW GLOBE DANVERS,  
 YELLOW FLAT DANVERS,  
 EXTRA EARLY RED,  
 WETHERSFIELD,  
 WHITE PORTUGAL,  
 WHITE GLOBE.

Write for  
 Prices.

**GOX SEED AND PLANT CO.**  
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 AND  
**LILIIUM HARRISII.**  
 Special low prices on application.

**WEEBER & DON,**  
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IN ANY QUANTITY TO SUIT.

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 NEW PRICE LIST. Send for it.  
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 ESPECIALLY LOW PRICES FOR EARLY ORDERS.

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 MERCHANT, GROWER, IMPORTER & EXPORTER OF  
**FLORISTS'**  
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 NOVELTIES A SPECIALTY.  
 The Universal  
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 Original and largest growers of this important bulb.  
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 True Stock. Lowest Prices. Best Quality.  
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CLAY'S FERTILIZER,  
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Send for New Price List of

## Forcing Bulbs, Mushroom Spawn, Etc.

Our claim of early delivery substantiated.

## FULL LINE OF FALL BULBS READY.

**HARRISII,  
ROMANS,  
PAPER WHITES,**

**HYACINTHS,  
NARCISSUS,  
TULIPS,**

**CANDIDUMS,  
FREESIAS,  
CALLAS.**

Selected stock of a favorable season. Send for our Wholesale Bulb Catalogue.

**W. W. BARNARD & CO.,**  
 186 East Kinzie St., CHICAGO.

## Have You Yet Heard of Cupid?

The Floral Wonder of the Age!

White as snow, it is a unique **DWARF SWEET PEA**, that grows only five inches high. It carpets the ground with a glistening mass of white for months, and can now be seen in full flower at Fordhook Farm. It is worth traveling hundreds of miles to see. **BIT** your address on a postal card, sent now, will bring you by January 1st, 1896, **BURPEE'S FARM ANNUAL for 1896**—a handsome book showing **CUPID** painted true to nature, and also illustrations from photographs. Next season you can then have this little wonder in your own garden or window box. **W. Atlee Burpee & Co., Philada., Pa.**

WE ARE HEADQUARTERS ON  
**BULBS FOR FORCING,  
 FLOWER SEEDS FOR FLORISTS  
 ENGLISH MUSHROOM SPAWN.**  
 Special prices on application.  
**JOHN GARDINER & CO., Seedsmen,**  
 631 Market St., Philadelphia, Pa.

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**HIGH CLASS SEEDS AND BULBS.**  
 Florists and Gardeners trade a Specialty.  
 25 years experience. 7 sorts Cyclamen Seeds. The  
 best strain in the world. Send for prices.  
**METROPOLITAN P. O. East Williamsburg, L. I., N. Y.**

**TO BE SOLD AT ONCE**  
**5000 SELAGINELLA EMILIANA,**  
 2-inch pots, ready for use or shift. Best plant  
 for fern dishes, \$3 per 100; \$25 per 1000.  
**SIEBRECHT & WADLEY,**  
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TRY **DREER'S**  
**GARDEN SEEDS,**  
 Plants, Bulbs & Requisites.  
 They are the best at the  
 lowest prices. Trade List  
 issued quarterly, mailed free  
 to the trade only.  
**HENRY A. DREER,**  
 Philadelphia, Pa.

**PALMS SELL ALL THE YEAR.**  
 Our 17 collection, 3 & 4-inch \$3.31 for \$5; 10 & 4 & 5-inch  
 \$3.50, 20 for \$6; 6-inch, for \$5. All good selected varieties.  
 Special sale: Choice Ferns, \$5.00 & \$8.00. **SMILAX**,  
 fine plants in 2 1/2-inch pots, \$2.00 per 100. Send for lists.  
**Williams & Sons Co., Batavia, Ill., Labels & Moss, etc.**

## VIOLETS.

**MARIE LOUISE AND SWANLEY WHITE.**  
 Fine stock, strong healthy plants.

**MARIE LOUISE**, per 100 ..... \$ 9.00  
 per 1000 ..... 75.00  
 500 at 1000 rate.

**SWANLEY WHITE**, per 100 ..... \$ 7.50  
 per 1000 ..... 60.00  
 500 at 1000 rate.

ADDRESS **O. R. Knapp,**  
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**ADIANTUM FARLEYENSE**  
 One of our Specialties.  
 4-inch pot plants, extra fine ..... \$50.00 per 100  
 5-inch " " ..... 12.00 per doz  
 6-inch " " ..... 18.00 per doz  
**EDWIN LONSDALE,**  
 WYNDMOOR, near Chestnut Hill, PHILA., PA.  
 Money Order Office: Station II, Phila.

**ORCHIDS OUR SPECIALTY.**  
**THE FINEST STOCK AND SE-  
 LECTIOIN IN THE WORLD.**  
 New and Rare Plants for the Stove, Green-  
 house and Conservatory.  
**SANDER, St. Albans, England,  
 & Bruges, Belgium.**  
 A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106  
 and 108 Liberty Street, New York City  
 Send for illustrated catalogue.

## CATALOGUE PRINTING. ELECTROTYPING.

Done with expert ability for Florists,  
 Nurserymen, Seedsmen. Write to

**J. Horace McFarland Co.**  
 . . . HARRISBURG, PA

## St. Louis.

Matters here remain in about the same condition as reported last week. Trade has commenced to stir a little and shows some signs of reviving, but is still very dull.

Moses Rice of M. Rice & Co. and Paul Berkowitz of H. Bayersdorfer & Co., both of Philadelphia, were recent visitors.

M. F. Gallagher of Chicago spent last week in St. Louis.

Chandler Floral Co. have moved into their new quarters, 309 North 7th street, under the Union Trust Building.

Ellison's new floral store opened September 1, his fixtures will be all white and gold and will have a gay appearance.

E. H. Michel returned from the east last week; it has been reported that Mr. Michel will soon open a wholesale commission house.

The next meeting of the Florists' Club will be held at the Empire Building on Thursday night, September 12; the new officers will be installed. Our newly elected president, Mr. F. Fillmore, thinks the members should attend more regularly in the future.

The bowling clubs rolled last Wednesday night; 10 members played, the highest single game was made by C. Beyer, 264. There is some talk of our famous Jap team going to Chicago to roll a few games with the Chicago Bowling Club's best team in the near future. Here are the scores of the two games rolled last:

JAPS.	1	2	3	TOTAL
J. J. Beneke	153	193	205	551
C. Beyer	144	264	144	552
C. C. Sanders	175	126	150	451
H. Young	133	137	206	476
F. Fillmore	153	129	130	412

Totals	758	849	835	2442
CHINESE.	1	2	3	TOTAL
C. A. Kuehn	165	123	205	493
E. Schray	125	141	124	390
J. Young	129	126	198	453
A. Waldbart	162	130	132	424
D. Helwig	150	146	178	474

J. J. B.

FORT WAYNE, IND.—Markey Bros. have just completed one house 20x125, short-span-to-the-south, for carnations. Vesey's Greenhouses have completed four new houses, short-span-to-the-south, each 20x125. All the new houses are planted to roses, solid beds having tried on a limited scale.

RINDGE, MASS.—The annual flower show was held on August 21. It was very successful, and the quality of the exhibits fully up to that of previous years.

## SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—As foreman in a large wholesale place. **FLORIST**, care American Florist.

**SITUATION WANTED**—In large store by a young man as cut flower artist. **A. B.**, care American Florist.

**SITUATION WANTED**—As gardener; thorough knowledge of flowers and plants. **GREENE**, 122 Wells St., Chicago.

**SITUATION WANTED**—By commercial greenhouse man, 10 years' experience; single; good references. **FRANCIS**, 155 Harrison Ave., Boston, Mass.

**SITUATION WANTED**—By a first-class grower of roses, carnations, chrysanthemums, palms, orchids, etc.; married, one child. Address **H. W.**, care American Florist.

**SITUATION WANTED**—By a young man, 8 years' experience in growing roses, palms and general collection of plants. References. State wages. Address **CHAS. RISCH**, Bloomington, Ill.

**SITUATION WANTED**—As gardener by Oct. 1st; married, age 28; thoroughly experienced in all its branches; private place preferred; highest references. Address **G. S.**, care American Florist.

**SITUATION WANTED**—By a landscape gardener and florist; also understand the growing of orchids and palms; 15 years' experience, with best of reference. Address **A. BASS**, 310 Michigan Ave., Chicago.

**SITUATION WANTED**—October 1st by all-round seedman; experience in mail order and wholesale departments; good correspondent, temperate, energetic and not afraid of work. **SEEDS**, care American Florist.

**SITUATION WANTED**—By florist of experience; good knowledge of all-round greenhouse work, designs, store and floral work, growing, etc.; young, single, learned his business in Europe; good references. Address **J. T.**, care American Florist.

**SITUATION WANTED**—By German florist, 14 years' experience in roses, carnations, violets, mums, palms and general stock; good design and cut flower worker; strictly sober and honest; commercial or private place. **A. B.**, care American Florist.

**SITUATION WANTED**—By florist, married man, 37 years' experience in largest nurseries of Europe, good grower for market and wholesale trade, waxes engagement; good testimonials. Address **LOUIS SALINGRE**, care H. A. Dreer, Seedstore, 714 Chestnut St., Philadelphia.

**WANTED**—Agent to sell Child's Rainmaker nozzle. **M. M. JONES**, Gen'l Agent, 6122 Oglesby Ave., Chicago.

**WANTED**—A man for general greenhouse work; state wages wanted. Address **A. S. PATTERSON**, Fort Scott, Kansas.

**WANTED**—To buy a medium sized and well established seed business; give full particulars. Address **SEEDSMAN**, care American Florist.

**WANTED**—Greenhouse assistant; young man preferred; state experience and wages, including board. **GEO. S. BELDING**, Middletown, N. Y.

**WANTED**—A competent all-round florist to take charge of greenhouses to grow for retail trade; give reference and salary wanted. **MRS. ARNOLD**, 165 Winchester Ave., New Haven, Conn.

**WANTED**—A good reliable young man understanding roses, carnations and general stock; for second place at my greenhouse. Write, stating wages wanted, etc. **GEO. A. KUHLE**, Pekin, Ill.

**WANTED**—Florist at once, good all-round man, honest, working and sober; board in family; commercial place; good reference required; single man desired; state wages expected. Address **H. H. SANFORD**, Box 274, Thomasville, Ga.

**WANTED AT ONCE**—A reliable second man experienced in general greenhouse work can have permanent situation with house, etc.; must be an energetic worker, sober and married; no other need apply. Address **HARRY CHAAPPEL**, Williamsport, Pa.

**WANTED**—An experienced salesman for flower store. Must be an adept at arranging flowers and plants. A New York, Boston or Philadelphia man preferred. A good position to the right man. Position ready October 1st. **A. M. & J. B. MURDOCH**, Pittsburg, Pa.

**FOR SALE**—Boller, 18 foot, 2 flue, horizontal, suitable for greenhouse, cheap. **MCDONALD BROS.**, Columbus, Ohio.

**FOR SALE**—Florist business, 5 houses, 8,000 square feet of glass, fine stock, good location, good market, city 20,000 inhabitants; good reason for selling. **REINECKE & WENDORFF**, Green Bay, Wis.

**FOR SALE**—A big bargain; greenhouse with 7 acres of land, six-room dwelling, etc.; the only greenhouse in the county; splendid opening for a floral business; local trade extends from Cairo to Du Quoin; flowers for the trade can be raised and shipped to Chicago cheaper than they can raise them there; come quick if you want a big bargain; good reasons for wanting to sell. **S. A. D. ROGERS**, Anna, Ill.

**FOR SALE**—A rare chance! A plant of 3,000 square feet of glass in first-class order, heated by hot water and flue; fine dwelling of five rooms, wood and coal sheds, barn, cisterns and well; about two acres of well improved land. Business well established in this city and surrounding towns. Located at Fort Madison, Lee Co., Iowa, with population of about 15,000. Two blocks from electric car. Shipping facility A No. 1. Fuel cheap. No better paying business for amount of capital invested in the United States. Address for full details and information **H. W. HOFFMEISTER**, Box 185, Fort Madison, Lee Co., Iowa.

**FOR SALE BOILERS.** Several good second hand tubular boilers, 30 to 60 H. P. in good order; just the thing for greenhouse heating, either for steam or hot water, will be sold cheap. **Cleveland Steam Boiler Works**, Center Street CLEVELAND, O.

**Assignee's Sale.** As Assignee of Nanz & Neuner, of Louisville, Kentucky, we offer at private sale until September 15th, 1895, the entire plant of the assigned firm, consisting of greenhouses, nurseries, &c., which are situated at St. Matthews, Kentucky, about five miles from Louisville, and cover about twenty acres of land. This firm has been in business for a great many years, and we will sell the good will of the establishment. Lease can be had on the twenty acres of land for ten years. For further particulars apply to the undersigned.

**FIDELITY TRUST & SAFETY VAULT CO.** Assignee of Nanz & Neuner, No. 206 Fifth St., Louisville, Ky.

# Create New Business

By spreading the love of Plants and Flowers among the people. You can best accomplish this by securing readers for

## GARDENING

Of which Mr. W. Hamilton Gibson, the celebrated Artist, Botanist and Amateur Gardener says:

"I enclose check for \$2.00 for renewal of my subscription to GARDENING, which I find indispensable. Since my first brief glimpse of a few copies of the journal in the home of a friend, and which led to my immediately becoming a subscriber, I have seen no cause to change my original enthusiastic estimate of the paper. It is very readable, practical and 'up to date' in all respects."

## Profits

will be direct as well as indirect, for we will allow you a liberal commission on each new subscriber you send us. Write for terms and sample copies.

## The Gardening Co.

Monon Building, Chicago.

## Chicago Retail Florists!

Buy your choice FERN PLANTS for Table Decorations of

**P. N. NEIGLICK,**

2224 N. Clark Street, CHICAGO.

## Marie Louise Violets.

30,000

fine bedding plants, free from disease, \$35.00 per 1000. Cash with order. Samples free.

**WALTER NEARLEY**, Niagara Falls, N. Y.

## TOBACCO DUST.

Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs \$5. Sample FREE.

**Vaughan's Seed Store**, Box 688, Chicago.

**VALLEY PIPS** now ready.

**SHEEP MANURE** always ready.

**WISCONSIN FLOWER EXCHANGE**, Box 87, Milwaukee, Wis.

## SMILAX.

From 2½-inch pots, at \$2.00 per 100; \$18.00 per 1000. Cash with order. Speak quick.

**JAMES CRAWSHAW**, P. O. Box 602, Olneyville, R. I.

## SMILAX—SPECIAL OFFER.

\$1.50 per 100; \$12.00 per 1000. **DOUBLE DAISIES** (English), splendid for edging carnation beds, profuse winter blooming—Snow-crest, Longfellow, Snowflake, \$2.00 per 100. **F. A. BALLER**, Bloomington, Ill.

## A Color Chart

far more brilliant than that of Mr. Mathews may be had by planting and cherishing our field plants.

**Carnations Introduced this year:**

	Per 100
<b>OPHELIA</b> —(Own). Pink, large and free, flowers bring top price .....	\$15.00
<b>KOHINOOR</b> —(Pennock). Large white, occasionally pencilled with pink, very fine.....	10.00
<b>SELMIRE'S LIST.</b>	
<b>ELDORADO</b> —A free blooming yellow, finely formed flowers, often reaching 3 inches, petals edged with pink .....	15.00
<b>KITTY CLOVER</b> —A most prolific bloomer, rather light yellow striped lightly with red and white, flowers fragrant.....	10.00
<b>EULALIE</b> —Light yellow, handsomely pencilled with light pink .....	10.00
<b>PRINCESS BONNIE</b> —Light pink ground, prettily pencilled with a darker shade, a very fine carnation and a great bloomer.....	10.00
<b>DAISY BELL</b> —White variegated, same class as Chester Pride, flowers much larger, and the plant will bloom much sooner.....	10.00
<b>GENERAL LIST.</b>	
<b>SWEETBRIER</b> , light pink.....	8.00
<b>WM. SCOTT</b> , pink.....	8.00
<b>THOS. CARTLEDGE</b> , dark pink.....	8.00
<b>PORTIA</b> .....	8.00
<b>McGOWAN</b> .....	6.00
<b>STUART</b> .....	8.00
<b>UNCLE JOHN</b> .....	8.00
<b>HELEN KELLER</b> .....	8.00
<b>STOCK IN BLOOM IN FIELD.</b>	
<b>MRS. FISHER</b> .....	3.00
<b>OPHELIA</b> .....	5.00
<b>BUTTERCUP</b> .....	5.00
<b>AURORA</b> .....	3.00
<b>VIOLETS</b> <b>LADY CAMPBELL</b> .....	8.00
<b>MARIE LOUISE</b> .....	6.00

**Edwd. Swayne,**  
KENNETT SQUARE, PA.

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Cut Blooms at Wholesale.

FIELD PLANTS AND ROOTED CUTTINGS IN SEASON.

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The Pines. KENNETT SQUARE, Chester Co., PA.

## THE COTTAGE GARDENS,

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STRONG FIELD-GROWN PLANTS.

Very low prices on application.

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## New White Carnation

## ALASKA.

Field grown plants. Send for prices.

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Successors to H. E. Chitty.

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## FIELD GROWN.

Leading varieties, strong plants, clean stock.  
Write for prices.

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Hinze's White, Puritan, Lizzie McGowan, Daybreak, J. J. Harrison, Hector, Portia, Fred. Dorner. For prices write to

**J. A. TRACHT & SON,** Galion, Ohio.

## Fred. Dorner & Son,

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## NEW CARNATIONS.

## 40,000 GARNATIONS!

## FIELD-GROWN

ALL THE BEST VARIETIES.

Standard Sorts, \$5.00 to \$10.00 'per 100.

SEND FOR PRICES.

## GEO. HANCOCK & SON,

## GRAND HAVEN, MICH.

## 4 Acres Field Grown Carnation Plants, 96,000.

Our Carnations are grown with the greatest care. Free from disease, and packed light by our improved system of packing by which we can send them to all parts of the United States and Canada in perfect condition.

<b>ADA BYRON</b> <b>ADELAIDE KRESKEN</b> <b>NICHOLSON</b>	<b>SWEETBRIER</b> <b>STUART</b> <b>UNCLE JOHN</b>	<b>JACQUEMINOT</b> <b>HELEN KELLER</b> <b>BUTTERCUP</b>
<b>DAYBREAK</b>	<b>PURITAN</b>	<b>CHESTER PRIDE</b>
<b>L. L. LAMBORN</b> <b>LIZZIE MCGOWAN</b> <b>MRS. F. MANCOLD</b>	<b>GRACE WILDER</b> <b>TIDAL WAVE</b> <b>MRS. CARNegie</b>	<b>CARFIELD</b> <b>HINZE'S WHITE</b> <b>PORTIA</b>
\$1.00 per dozen.	\$5.00 per hundred.	\$45.00 per thousand.

**J. L. DILLON,** Bloomsburg, Pa.

## LARGE FIELD GROWN

## CARNATIONS

	Per 100
<b>LIZZIE MCGOWAN</b> .....	\$5.00
<b>WM. SCOTT</b> .....	5.00
<b>SILVER SPRAY</b> .....	5.00
<b>BLANCHE</b> .....	4.00
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**THE NATIONAL PLANT CO.**  
CASH. DAYTON, OHIO.

## Field Grown Carnations.

1500 WM. SCOTT, extra fine.  
1000 DAYBREAK and TIDAL WAVE.

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## 20,000 CARNATIONS.

Fine field plants of standard tested sorts that must be sold. Please send list of your wants for prices.

**8000 LADY HUME CAMPBELL VIOLETS.**

Fine field clumps. Price, \$5.00 per 100; \$75.00 per 1000. Also fine pot plants at \$4.00 per 100. Stock fine.

**BENJ. CONNELL,** Florist, WEST GROVE, PA.

## CARNATIONS

Fine, stocky, field grown Carnations ready to plant **NOW**, we will sell cheap for cash.

**DAYBREAKS, SCOTTS and PIERSONS**, at \$6.00 per 100 **SILVER SPRAY**, \$5.00 per 100.

**MARIE LOUISE VIOLETS**, \$4 per 100.

**CRABB & HUNTER,** Grand Rapids, Mich.

## Fisher & Aird,

ELLIS, MASS.

NEW AND TESTED

## CARNATIONS.

**ALEX. McBRIDE,**  
ALPLAUS, N. Y.

## Carnation Grower

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

## 15,000 FIELD GROWN

## CARNATIONS

Clean. No Rust. Following kinds:

<b>MRS. FISHER,</b> <b>McGOWAN,</b> <b>SCOTT,</b> <b>ALBERTINI,</b>	<b>CARTLEDGE,</b> <b>CHESTER PRIDE</b> <b>J. J. HARRISON,</b> <b>HECTOR, Etc.</b>
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Will be sold cheap for cash. Send for price list and quantities. Will mail samples by enclosing 10 cts. to pay postage.

**H. Weber & Sons,**  
Box 57. OAKLAND, MD.

## CARNATIONS.

5,000 strong, field grown Mrs. Fisher, at \$5.00 per 100. Also Tidal Wave, Grace Wilder, Wm. Scott, Anna Webb, Ferdinand Mangold, Daybreak, L. McGowan, Hinze's White, at reasonable prices

**GEO. L. MAHONEY,** Saco, Me.

The most Complete Assortment of Stock in the West for

## FLORISTS and NURSERYMEN.

Headquarters for Roses, Tender and Hardy Plants, Shrubs, Bulbs, Trees, etc.

Catalogue and Price List free.

**THE STORRS & HARRISON CO.,**  
Painesville, Ohio.

## Adiantum Farleyense Fern

3-inch, \$3.00 per doz.; \$20 per 100.  
4-inch, \$5.00 per doz.; \$40 per 100.

**BAKER BROS.,**  
P. O. Box 72. KANSAS CITY, MO.

## E. G. HILL & CO.,

## Wholesale Florists

RICHMOND, INDIANA.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

## Toronto.

The exhibition—Canada's great fair (greatest fair in fact)—is just now the all-absorbing topic. Half Canada and a large number from the neighboring states visit Toronto during the two weeks it is open, and times are generally pretty lively. As far as the florists' trade is concerned, however, it does not make much difference, as the visitors are mostly agriculturists. Many make of the occasion their annual jaunt and jollification, others come to exhibit and for business. We see many old friends in the trade too taking notes round the floral hall. The exhibition this year promises to be very largely attended. August has been an exceptionally favorable month for parks and gardens, and the Exhibition Park is now looking exceptionally well. The Horticultural Gardens are also now in fine order; four large French canna beds are magnificent, having done remarkably well.

The remainder of the stock in the Fleming estate greenhouses was sold by auction on the 29th ult.; most of the city florists were in attendance looking for bargains, and many of them got what they were looking for. The greenhouses, pipes and boilers were all put up for sale.

At the last meeting of the Gardeners' and Florists' Association Mr. Thos. Manton read a very interesting and instructive paper on azaleas; he predicts a great future for hardy azaleas, which stand the cold winters of this country perfectly and do well if treated properly. E.

## Wilmington, Del.

The Penn Rock Co., Wilmington, Del., are busy with preparations for the re-opening of their retail store at 825 Market street, which event is scheduled to take place on September 12. Mr. Jones has been appointed manager of the store and with the able co-operation of Mr. Lockerbie, who has charge of the greenhouses of the firm at Silverside Station, they will undoubtedly get their share of what business is going. The stock under Mr. Lockerbie's care is looking well. The chrysanthemums promise a great crop and some of those in 6 and 8-inch pots will be beauties. The roses are doing well also. The new houses built this summer are now being planted, and although somewhat late in the season for planting the stock looks exceptionally healthy and strong and will probably come in all right about Christmas. The carnations are looking well. A start has been made to lift these. Mr. Lockerbie is to grow his freesias on the front of the carnation benches this season with Shakespeare gladiolus in the bed between the carnations. Mushrooms were a profitable crop here last season and preparations are now being made for another "go" at them, and if they do as well this year all hands will be well satisfied.

G. C. W.

## American Beauty,

Prime stock, 4-inch.

Also Bridesmaid, Bride, Meteor, La France, Testout, Kaiserin, Perle, Sunset.

A. S. MacBEAN, Lakewood, New Jersey.

## 10,000 STRONG AND HEALTHY SMILAX PLANTS,

out of 2½-inch pots. Cheap. Address  
FRED. SCHNEIDER, 751 Crawford St., Cleveland, O.

## EXTRA FINE ROSES.

Grown especially for late planting.

## SUPERB STOCK OF

5000 Meteor, the most profitable red.

4000 Bride, still the finest white.

5000 Bridesmaid, the incomparable pink.

Kaiserin Augusta Victoria, Sunset.

THESE ARE EXCEPTIONALLY FINE HEALTHY STOCK. WRITE FOR SAMPLES AND LOW PRICES.

FINE STOCK  
PALMS,  
FICUS, ETC.

ROBERT CRAIG,

49th and Market St., PHILADELPHIA.

## PALM SEEDS

Just Arrived in Best Condition.

OREOXXA REGIA, starting to ger- 100 1000  
minate. . . . . \$ .60 \$4.00

PHOENIX CANARIENSIS . . . . .50 3.00

TENUIS . . . . .60 4.00

BRAHEA FILIFERA, syn. Pritchardia filamen-  
tosa, \$1.00 per lb.; \$7.50 per 10 lbs.

MUSA ENSETTE . . \$1.00 per 100; 10.00 per 1000.

Chas. Schwake, 404 E. 34th St., New York.

We are now booking orders for all kinds of Palm  
Seeds. Send your list and we will quote you prices.

## PALMS.

150,000 of all the leading va-  
rieties.

## FERNS.

50,000 of leading varieties.

Address GEORGE WITTBOLD,  
1708 N. Halsted St., CHICAGO.  
Mention American Florist.

## SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.  
Mention American Florist.

## Special Offer.

	Per 100	Per 1000
Primroses, single flowering.....	\$2 25	\$20.00
Pansies.....	.65	4.50

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

## 6000 Fine Ferns.

ADIANTUM CUNEATUM.

2-inch pots . . . . . \$5.00 per 100

3-inch pots . . . . . 7.00 per 100

4-inch pots . . . . . 10.00 per 100

Also 5000 SMILAX, 2½-inch pots, at \$2.00 per 100  
or \$15.00 per 1000.

HENRY A. NIEMEYER, Erie, Pa.

## FOR SALE.

5000 MARIE LOUISE VIOLET Clumps, field  
grown, free from disease, \$5.00 per 100, or \$40.00  
per 1000. Cash with order.

GEO. N. SAYLES, 40 Bradley St., Watertown, N. Y.

## VIOLET PLANTS

Good clean stock, from  
3½-inch pots.

ELLIS &amp; POLLWORTH,

Milwaukee, Wis.

## SAMPLE BLOOMS.

25 of our extra new double  
Petunias will be sent free  
to any florist that will pay  
the express charges on  
them.

S. O. STREBY,

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UPPER SANDUSKY, OHIO.

Pitcher &amp; Manda, Inc.

LOW PRICES.

PALMS, FERNS and ORCHIDS

Specialties.

SHORT HILLS, NEW JERSEY.

## VIOLETS.

MARIE LOUISE, strong,  
healthy, field grown plants

A. WASHBURN &amp; SON.

BLOOMINGTON, ILL.

## Latania Borbonica.

Strong Seedlings 8 inches high, \$1.75  
per 100; \$15.00 per 1000. Mail or Ex-  
press, all charges paid to any point in  
the United States.

AMERICAN EXOTIC NURSERIES,  
SEVEN OAKS, FLA.

Always mention the American Flo-  
rist when writing to advertisers.

# PANSY

## SEED.

The Best from many Crowers, not the selection from one grower only.

### "International,"

the best mixture. Trade pkt. 50c.;  $\frac{1}{8}$  oz. \$1.50; oz. \$10.00.

### "Giant" Mixed,

a very popular Florist's strain. Trade pkt. 50c.;  $\frac{1}{8}$  oz. \$1.50; oz. \$5.00.

## VAUGHAN'S SEED STORE,

NEW YORK,  
26 Barclay St.

CHICAGO,  
84 & 86 Randolph St.

## Roemer's Superb Prize PANSIES.

The finest strain of Pansies in the world, and of all leading Novelties.

PLANTS at 75c. per 100; \$5.00 per 1000.

CASH WITH ORDER.

**Peter Brown, Florist,**  
LANCASTER, PA.

ZIRNGIEBEL'S GIANT MARKET  
and GIANT FANCY

## PANSIES,

In Trade Packets at \$1.00 each.

Also plants of the above superb strains, at \$1.00 per 100; \$5.00 per 1000 for Giant Market, and double that rate for Giant Fancy.

Plants packed securely to go any distance.

**DENYS ZIRNGIEBEL, Needham, Mass.**

## PANSY SEED

THE JENNINGS STRAIN OF LARGE FLOWERING  
AND FANCY PANSY SEED.

New crop now ready. The finest American strain is what every florist wants.

Very finest mixed, all colors, per ounce \$6.00; pkt. 250 seeds, \$1.00.  
The Jennings X X strain, \$8 per ounce; pkt. \$1.00.  
Victoria, bright red ..... pkt. 1.00.  
Pure white ..... pkt. 1.00.  
Finest yellow ..... pkt. 1.00.  
Dr. Faust, black ..... pkt. 1.00.  
Dark Blue ..... pkt. .50.  
The above all my own growth of 1895 from extra selected stock.  $\frac{1}{8}$  pkts. of any the above, 50 cts.

**E. B. JENNINGS, Wholesale Pansy Grower,**  
Lock Box 254. SOUTHPORT, CONN.

### Roemer's Superb Prize Pansies.

The finest strain of Pansies in the World.

Introducer and Grower of all the leading  
Novelties.

Catalogue free on application.

**FRED ROEMER, SEED GROWER,**  
Quedlinburg, Germany.

## EXTRA PANSY SEED.

MAMMOTH SUNBEAM STRAIN.

A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt. 500 seeds, 25 cts.; 3 pkts. 60 cts.; 6 pkts. \$1.00.  
A pkt. of 500 seeds of the new, peculiar and amusing Monkey Face Pansy added to every \$1.00 order.

**JOHN F. RUPP, Shiremanstown, Pa.**

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

## RISLEY FLATS SMILAX PLANTS.

... NOW READY, AND ORDERS ARE BEING FILLED.  
PRICES.

25 and up to	100 at per hundred.....	\$ 4 00
100 "	250 at per hundred.....	3 75
250 "	1000 at per hundred.....	3 50
1000 "	2500 at per thousand.....	32 00
2500 "	5000 at per thousand.....	30 00

Sample mailed for 10 cts. Circular free.

**DAN'L B. LONG, Buffalo, N. Y.**



FANCY.



DAGGER.

## EVERGREEN CUT FERNS

ESPECIALLY FOR FLORIST'S USE.

**\$1.25 PER THOUSAND FERNS.**

IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns furnished the year round. Special attention given to supplying the Wholesale Trade.

**BOUQUET GREEN.** For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.

**SPHAGNUM MOSS** a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.**

## Herr's Pansies.

Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

**FIELD CROWN CARNATIONS**, fine plants, reasonable prices.

**L. B. 496. ALBERT M. HERR, Lancaster, Pa.**

## PANSY SEED. New Crop just arrived.

**GIANT PRIZE PANSY**, most brilliant mixture ever sold, containing the finest varieties in splendid colors and excellent size. Highly appreciated by all who have tried it.

1-4 oz. \$1.50. 1 oz. \$5.00.

**FLORIST'S MIXTURE A No. 1**, very fine mixture of large flowering varieties and choice colors, especially selected for florists' use.

1-4 oz. \$1.00. 1 oz. \$3.00.

Our Pansy Seeds have been personally examined in Germany.

Write for pamphlet about "LYSOL" the Ideal Insecticide.

**HERMANN'S SEED STORE,**

413 E. 34th St., (near L. I. Ferry), NEW YORK.

## GIANT PANSIES.

Our Select and Improved TRIMARDEAU will give perfect satisfaction in largest flowers, finest colors and vigorous growth. Extra quality, stocky, well rooted, field grown plants.

75c. per 100; \$5.00 per 1000.

SEED of same, my own saving from the very finest, \$1.00 per  $\frac{1}{8}$  oz.; \$5.00 per oz.

**DANIEL K. HERR, Ryder Ave., Lancaster, Pa.**

## Fenster Pappe.

Best substitute for glass largely used by European FLORISTS, NURSERYMEN and MARKET GARDENERS. Directions with each roll. Trial rolls of 8 yards for \$1.00. Original rolls of 110 yards for \$10.00 net cash.

**August Reiker & Sons, New York.**

P. O. Station E.

## New, Rare and Beautiful Plants

**LORD PENZANCE'S** New Hybrid Sweetbrier. Old Garden Roses, etc.

**SPIRÆA "ANTHONY WATERER,"** flowers rich crimson.

A large collection of rare Hothouse and Greenhouse plants, carefully grown, at low rates; Orchids, etc.

**PELARGONIUMS.** All the European Novelties RARE AND BEAUTIFUL EVERGREENS. ORNAMENTAL TREES, SHRUBS, &c.

**PEONIES.**—A large collection of the finest in cultivation. Hardy Perennials, Phloxes, Japanese Iris, Roses, Clematis, etc. New and Standard Fruits, etc. Catalogues on application

**JOHN SAUL, WASHINGTON, D. C.**

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

## FINE ROSES,

Mermets, Bridesmaids, Brides, Papa Gontiers, La France, from  $\frac{3}{4}$ -inch pots, \$5 per 100.

## SMILAX,

strong plants from  $\frac{3}{4}$ -inch pots, \$3.00 per 100; \$25.00 per 1000.

## FERNS,

well established plants from 2-inch pots, in 10 choice varieties, suitable for fern dishes and cutting, \$3.00 per 100. Samples sent for 10c in stamps.

**JAMES HORAN & SON,**

BRIDGEPORT, CONN.



10427. 75 cts.

New Catalogue (No. 4) containing over 1000 Ornamental Cuts for Florists' use, such as envelopes, letter-heads, bill-heads, cards, advs., floral designs, etc., at from 30c. and upward. Price of Catalogue 25c. (deducted from \$1.00 order).

**A. BLANC, ENGRAVER for Philadelphia, Pa.**  
A. BLANC, FLORISTS.

**Michel Plant and Bulb Co.,**  
**WHOLESALE FLORISTS.**  
ST. LOUIS, MO.



## News Notes.

ANDERSON, IND.—H. Klus, a market gardener here, is putting up one house for plants.

MARBLEHEAD, MASS.—The fifth annual flower show was held in Abbott Hall, August 29.

LYNN, MASS.—The annual horticultural exhibition will be held on September 24, 25, and 26.

SEYMOUR, IND.—H. H. White has given up the florist business, selling his place here to Massman & Schmidhauser.

CLINTON, MASS.—The Clinton Horticultural Society will hold its annual exhibition in Bigelow Hall, September 7.

OCONOMOWOC, WIS.—Mr. H. P. Bucheler has added two new houses and is now planting them with carnations and violets.

KOKOMO, IND.—W. W. Coles is building a new carnation house, short-span-to-the-south, 20x100 feet; he will use solid beds well drained.

SPRINGFIELD, MASS.—The Amateur Horticultural Society will hold its annual horticultural show in the Union Armory, September 10 and 11.

HOUSTON, TEX.—Mr. W. W. Westgate is building a new house 16x50 and making other improvements. He reports trade as very satisfactory.

PONTIAC, ILL.—D. W. Herbert has gone out of the florist's business here. W. J. Miller has added a  $\frac{3}{4}$  span house 37x18, even span 57x18 and lean-to 13x18.

FRANKLIN, ILL.—J. H. Daniel has purchased the greenhouse belonging to C. Richardson, Waverly, Ill., and moved it to this place, adding it to his establishment.

PEORIA, ILL.—The lowest bid received by the Park Board for the conservatory was \$26,000. As this is more than the Board wishes to invest in a conservatory the plans will be modified so as to reduce the cost.

PROVIDENCE, R. I.—Mr. P. J. Fox, florist and gardener, was killed August 10 by a fall caused by stepping on a banana skin on Ives street, this city. His head struck the edge of the curbstone, causing concussion of the brain, and he died a few minutes afterwards.

MIDDLETOWN, CONN.—Henry C. Beebe, the florist, was frightfully burned while setting off a toy balloon last week. His clothes caught fire from blazing alcohol. Both arms were burned in spots to the bone and his breast, neck and face were also scorched. It is doubtful if he recovers.

PAXTON, ILL.—Swan Peterson and A. Johnson of Gibson City have bought the Lefever place here, tearing down the old houses and rebuilding three new ones 18x100, one 10x100, new office and work shed. Carnations and violets will be chiefly grown; stock outside is in fine condition.

MINNEAPOLIS, MINN.—The partnership heretofore existing between Jacob Hartman and Mattie C. Wessling under the firm name of Hartman & Wessling has been dissolved by mutual consent. The business of the late firm at the Lakewood Greenhouses will be continued by Jacob Hartmann.



## Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

**LOCKLAND LUMBER CO.**

LOCKLAND, O.

## If you grow

Carnations, Chrysanthemums, Palms, Roses, Violets, or anything else worth growing, and are not feeding them with

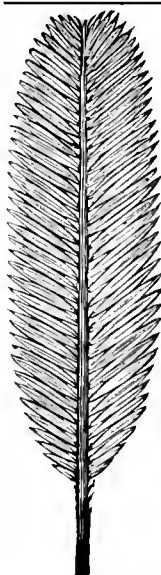
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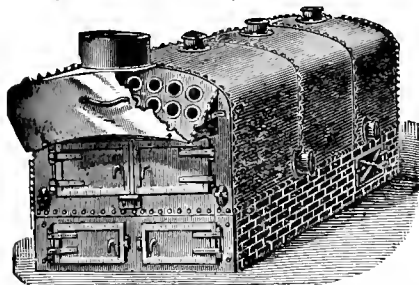
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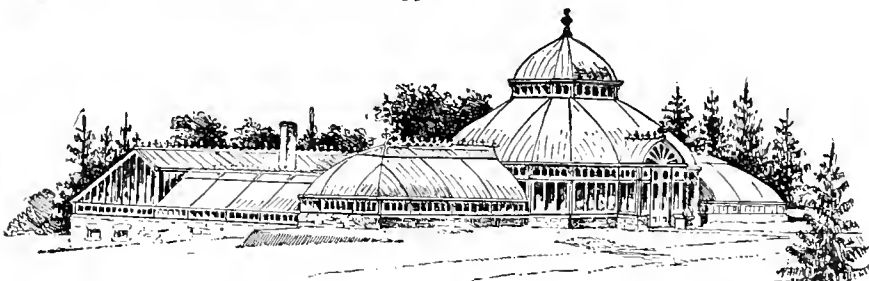
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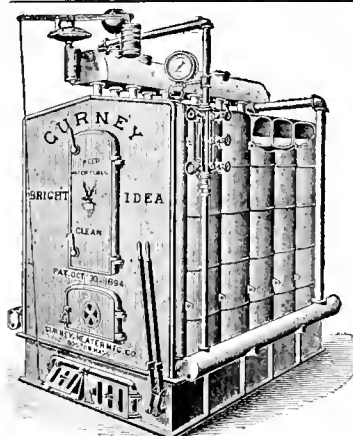
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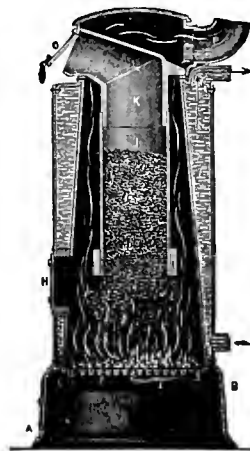
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## San Francisco.

Business has improved a little, and the prices are a little firmer than at last report. This was brought on by the people returning from the summer resorts and watering places. Teas and socials are now quite numerous, so that quite a lot of stuff is used. Last week some Marie Louise violets made their appearance, but as yet are very small, though exceedingly fragrant. Asters are beginning to pile in and are sold by the box. The only aster that there is any price for is Simple's strain, which brings from 10 to 15 cents per dozen. Carnations are 1 and the supply of these is shortening up considerably.

The sympathy of the trade goes out to Dan Driscoll, of the Sunset Seed & Plant Co. in the loss of his infant child Aug. 25.

Miss Ridley of San Jose has sold out the interest in her store to Edward W. Parsons, who will continue to run it as a retail store. Miss Ridley will be in charge however.

Serveau Bros'. place at Ocean View is always interesting to visitors. They have a range of twelve houses chiefly devoted to the growing of plants and cut flowers for their two retail stores in town. It is peculiar that no roses are grown here. Mr. Seveau says the soil is not suitable for them. They have tried several times, but with very poor success. They have always had very good carnations, however. Their favorites are Portia, McGowan, Scott and Daybreak, which at present are looking excellent. Their great specialty is the growing of adiantums. They have several large houses filled with them looking splendidly. A few violets, sweet peas, asters and other outside stuff is also grown.

Recent visitors: Frank Stork, Chas. Navlet and R. D. Fox of San Jose, Cal., and Mr. J. Usler of the California Nursery Co., Niles, Cal. METEOR.

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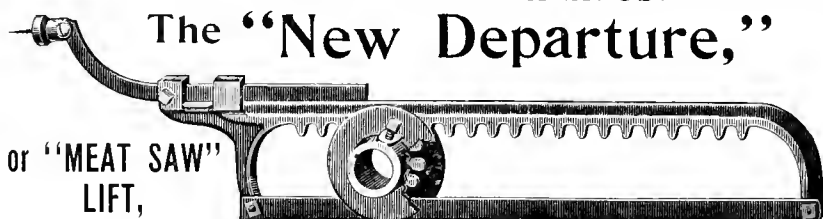
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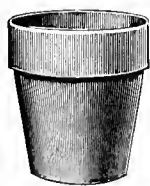
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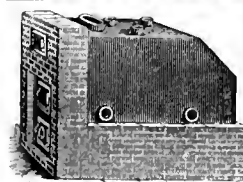
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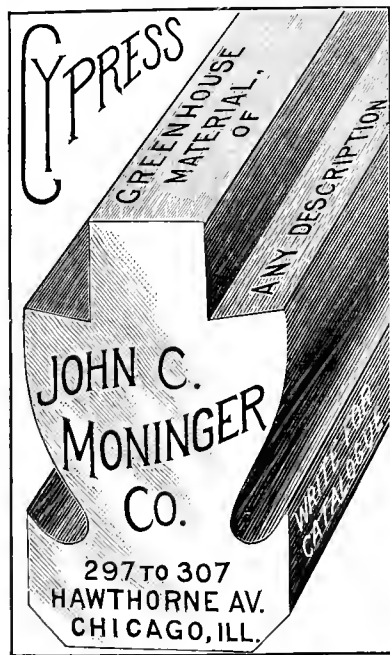
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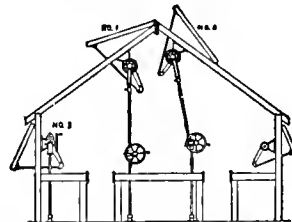
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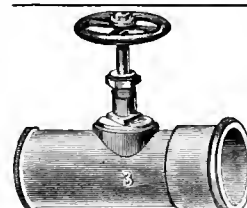
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NEWARK, N. J.—The Finance Committee of the Newark Board of Freeholders has authorized the County Collector to draw up a check for \$945,000 to the order of the Park Commission, the amount to be expended for providing new public parks.

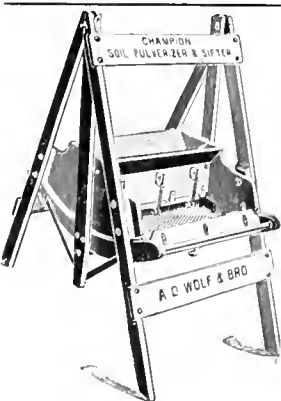
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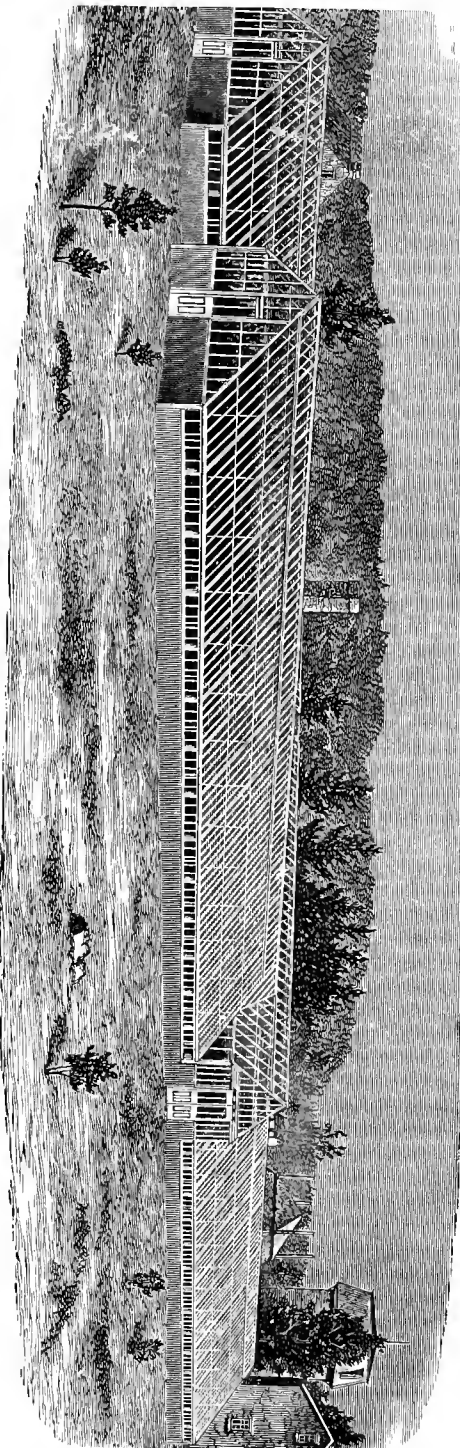
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Vol. XI.

CHICAGO AND NEW YORK, SEPTEMBER 14, 1895.

No. 380

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THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

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This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

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OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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WILMINGTON, DEL.—The city council is considering the matter of purchasing additional park lands.

HOUSTON, TEX.—Mr. W. W. Westgate is building a new house 16x50, and making other improvements. He reports trade as very satisfactory during the past year.

### Giving the Sweet Pea a Fair Show on its Merits.

It has certainly been well shown up this year. There have been sweet pea shows at Springfield, Worcester, Boston, Westboro, and Mountain Park, near Holyoke, in Massachusetts. In Connecticut, Hartford has one, and at Woodmont, O. H. Clarke gave two. San Francisco had a fine one. Many letters tell of success in localities, and a display of beauty such as the natives had never seen before. Ministerial friends write me about the lessons they draw from this flower in preaching, and a Chicago classmate recently said he was to preach the following Sunday on the "Theology of Sweet Peas." How is that? I have never yet mentioned the flower in the pulpit for the reason that they are omnipresent six days in the week.

We had better hold on a bit before we give to the sweet pea wave of popularity the ephemeral name of a "fad." It looks less like a fad to-day than it did two years ago. It is not going to be a college widow at all, nor can fashion lay it aside. We shall be invited to the funeral of this "fad" again this year and next, but the liveliest mourner will be the flower itself, for there are at least a dozen new varieties in sight as candidates for our favor in 1896. Indeed, in spite of the fact that there is real merit in almost all the new ones that are to be offered, the question is not so much about the longevity of the "fad," as whether it is not putting too much of a strain on people to give them twice as many novelties next year as they have ever had in one year. But even this will not jeopardize the popularity in this flower so much as certain gaudy lithographs that were employed this year, doubtless with the kindest intentions, to keep up the interest. Double sweet peas, indeed. As I want to speak of the real merits on which this flower now asks for a prominent and permanent place a word must be said to undo some mischief that has been done, and we must get back to the true standard of judging this flower.

There is no such thing as a double sweet pea. No flower is doubled except by changing stamens into petals, and, as a rule, such flowers are regular in their form. Blossoms of the Pulse family are not at all adapted to doubling. We have, to be sure, in good Eckford stock, when thriftily grown, a few blossoms, that, instead of having a perfect, improved standard, break up into two or three malformed standards. It is nothing but a sportive kind of excess of vigor in growth. They are not petals made out of stamens. They are malformations, and are an abnormal result of the process of carrying the flower up in size, a little rebellion on the part of nature against having the strength of a hundred blos-

soms put into the higher quality of fifty blossoms. Mr. Eckford takes no interest in these so-called double blossoms, and yet they all come from his stock. I have from the first declared for the single blessedness of the sweet pea, and treat these so-called double blossoms simply as monstrosities. And a house that can buy sweet peas cheaply enough to retail them at forty cents a pound will not long be troubled with double blossoms, for the very cheapness of price will soon run out that superabundance of vigor and quality which Mr. Eckford's work has put into them. These malformations do mean quality, for it is the vigor and improved stock of the grandiflora varieties, which breaks away and produces them. And then nobody has any monopoly or right of precedence in this thing. Nobody has any strain of seed that will produce them any more than they have been produced since we have had good stock of such Eckford varieties as Apple Blossom and Splendour. This is the simple truth of the case, and those who bought seed of so-called double sweet peas this year are not likely to challenge my statement.

A seed house, to get the lead on some novelty sometimes jumps too quickly, and in this case it shows that the anatomy of the flower has not been intelligently studied. The sweet pea must remain a single flower like the pansy and the edict of good taste will confirm this also. I feel a little impatient about this because so many people this year may be led to think that the doubling of the sweet pea was the direction in which its improvement lay, and then being disappointed in not getting any more doubles than they have had before, they will discredit the real merit of the improved sorts. And it looks as if the seedsman himself thought the way to boom the flower one year more was to paint fine pictures of double sorts.

Before I went to see Mr. Eckford I had full faith that the improved sweet pea had merit enough to hold all the ground it has gained. Almost every day I hear enthusiastic reports, as I have to-day from northern Vermont, where, a gentleman told me, he measured sweet pea blossoms one inch and one-half across. At Mr. Eckford's, of course, I saw the high type for which he has been working eighteen years. Someone might say it is only the effect of high culture. Well, two things at Mr. Eckford's place proved that it is something beside high culture. His place, as well as all England, was suffering from a very protracted drouth. And then I took a spade and dug down into his soil and found it simply a good strong English loam, slightly gravelly, and for manure, having only that worked in which is put on from year to year as a light mulching. It by no means produced as rank a growth of vines as I usually have. The largest grandiflora

blossoms everywhere showed on vines three or four feet high.

Our need just now is a vocabulary of terms that will be commonly accepted in writing up this flower. In correspondence

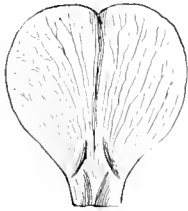


Fig. 1.

with the growers we have tried to fix this as definitely as we could. Take the development of form, as in the figures. The standard or banner of the blossom shows this best. Fig. 1, is the natural or original form, this being frequently reflexed on account of inferior substance.

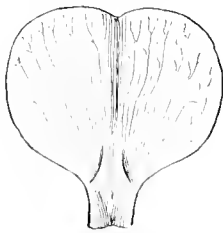


Fig. 2

In advancing to the form and size of Fig. 2, which may be called semi-expanded they usually take on more substance, which smooths out the limp, reflexed look into a bolder front. Fig. 3 gives us the expanded type, the substance of which gives it a full rounded outline. Fig. 4

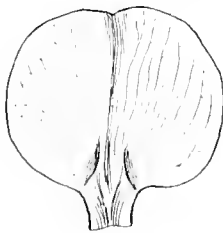


Fig. 3.

shows the final, grandiflora form as it looks when pressed out, although it has at this stage taken a fullness that is either shell shaped or hooded and wavy and the base has become auricular.

About twenty of the common sorts come under Fig. 1. About ten sorts are

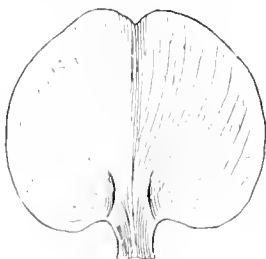


Fig. 4.

of the Fig. 2 class, such as Blanche Ferry, Emily Henderson, Boreatton, Miss Hunt, Metcor, Novelty, etc. To Fig. 3, belongs Mrs. Gladstone, Katherine Tracy, Princess Victoria, Lemon Queen, Firefly, Peach Blossom, Stanley, Duchess of York, etc. The finest of Fig. 4 type are Apple Blossom, Captain of the Blues, Countess



EMILY HENDERSON.  
STANLEY.

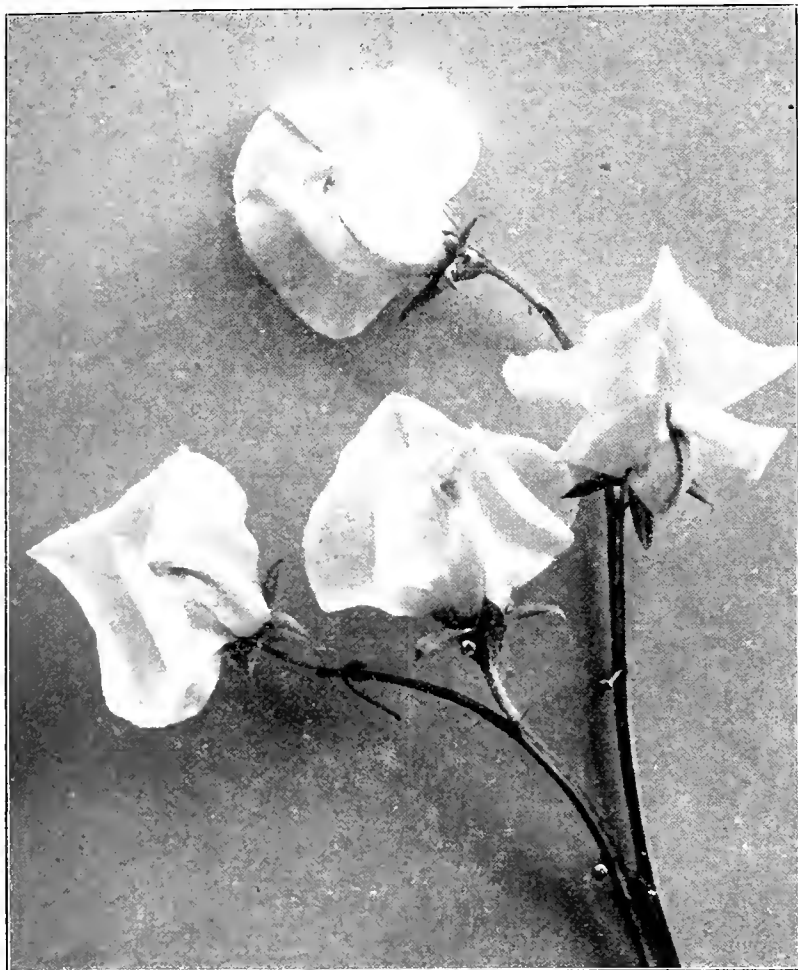
of Radnor, Lottie Eckford, Monarch, Mrs. Sankey, Princess of Wales, Senator, Dorothy Tennant, Her Majesty, Mrs. Eckford, Blushing Beauty, Emily Eckford, Duke of Clarence, Venus, Lady Penzance, Royal Robe, Blanche Burpee, Mrs. Chamberlain. To this last class will also belong Countess of Aberdeen, Captivation, Mikado, Ramona, and Gray Friar. Little Dorrit, the latest rival of Blanche Ferry, will have the type of Fig. 3. I have classed these as they really are when first put out. Good seed stock of them, well grown, will show these forms, and very nearly the exact size of the cuts. Indeed those of Fig. 1, while holding their relative form will increase in size with high culture considerably. And it is going to be easy for the finest grandiflora types to fall back with poor seed stock and unfavorable cultivation.

I noticed that Mr. Eckford liked a bold flower, and this is produced by increasing the substance, and thus opening out the blossom to its fullest extent. My own taste is that the hooded and wavy fullness harmonizes best with the grace of the flower, and adds modesty to its other beautiful points. And still I suspect that the additional work that will be done in carrying this flower up will increase the substance of it, and that will be likely to open it out boldly. For a blossom to

reflex at all is indication of either an inferior, sort or deteriorated stock. Of course mid-day is no time to judge a flower with a wilting sun in full blast, but we have grandiflora varieties that stand even this test.

A complete list of varieties this next season, gleaned from all reliable sources, will number close to one hundred. I do hope that the seed houses will weed their lists out, and not contract for or encourage the growing of old inferior sorts that are out of date. The article in the AMERICAN FLORIST for October 6, 1894, should be looked over again, for nearly every word of it needs to be emphasized now.

Just here the question of how a florist defines the word "merit," should be considered. Emily Henderson has the highest merit for a white variety from the florist's standpoint, although it comes far short of the grandiflora type. Its abundant florescence is a far more practical point of merit than the highest grandiflora type would be, for we get a high type at the expense of abundant bloom. And for the florist's purpose he would not want to exchange the one for the other. What to me is the ultimate aim in the sweet pea is exhibition quality in blossoms, and I would quickly give ten stems to make one good grandiflora stem. But the florist may well ask at what point in



MRS ECKFORD



RAMONA.

the development of the sweet pea can abundance of bloom and good quality be obtained. Now for instance, Eckford's Royal Robe is the same color as Katherine Tracy and it is a beautiful shade of pink, and for exhibition purposes the former is ahead. But if the latter proves a good germinator and an easy grower, it is likely to be a freer bloomer than Royal Robe, for it is a lower type. To me it is interesting only in this sense, that it may be just what the florist wants as a free bloomer. If so, then it has the merit of a good expanded type and the other commercial merit also. We have in Springfield one florist at least who keeps right up with all our exhibitions, but of course a practical florist knows that very little bread and butter comes from exhibitions. And yet every florist knows that competitive work in making show blossoms is one of the main sources of the growing interest in flowers, and I feel like appealing to florists in every city to help make an exhibition flower of the sweet pea, and keep up with its best development, and demand that the seed that is being grown in such quantity shall be of the highest grade possible. W. T. HUTCHINS.

#### Through American Eyes.

##### GHENT.

Ghent is certainly the palm growing center of the world. The first nursery was established about eighty years ago by L. Van Geert. L. Van Houtte commenced business in 1835; the establishment, a large one, is still conducted, but is now managed by a company under the firm name. About twenty-five years ago Ghent began to be noted as a horticultural center, and in the past ten years the number of "Establishments de Horticulture," as they call them here, have increased one hundred per cent. Honorez, a cab driver who can speak four languages, and who makes a business of carrying horticulturists, says that a new place is born about every two weeks. Within a radius of perhaps five miles there are three hundred and eighty odd establishments, covering from one-half acre of land up to places containing two to three acres of glass, and fifteen to twenty of land in addition, and some with much more. The majority of these nurseries are managed with system and great economy of room, every inch of space, both inside and out being used, and filled with profitable stock. Of course here as elsewhere places are to be found which are not up to the mark either in variety or quality of plants, but they are the exception. At least 80% of the establishments here are doing an extensive and profitable business, and many of the leading growers live in elegant houses, and the entrance to their places suggests a private suburban residence rather than that of a commercial one. Quite a number of large establishments are in the built up portions of the city, with houses all around, while they occupy the center of the block.

The construction of their greenhouses is good, in fact they are built very much more substantially than in the United States. Many houses are constructed entirely of brick and iron, with a curved roof, the doors even being iron framed. As a rule they are isolated from one another, not being connected with sheds; quite a number, however, are to be seen connected, with glass house running the length of a range.

Many growers have large blocks of houses in which there is no partition between, they being so arranged that the

walk is under the gutters, which are supported on iron arches; for palm growing this style of house seems to be the best, there being absolutely no waste room. The table space is either bricked up so as to be filled with tan or waste flax or the tables are constructed of iron and slate or tiles, or in some cases of iron and wood. Everything is built in the most substantial manner. The heating is almost entirely plain hot water. Small gas pipe air vents can be seen projecting from the roofs of all houses; these have no stops, and are always open, thus insuring perfect circulation.

Where the gutter is elevated there is a row of pipes on each side inside the house; this is to prevent the snow from collecting in winter. Some say this is not necessary, while others think it essential and would not build without it. The most popular boiler seems to be the return flue tubular, and it is often seen in the old saddle shape. The fuel used is bituminous coal, coke or compressed coal dust in bricks; this is broken up and is considered a satisfactory substitute for coal. The cost is about the same as in the United States. The glass at both ends of all greenhouses is invariably painted green; we do not recollect a single exception, the woodwork all being painted white. The glass on the roofs is heavily coated with whitening and naphtha; this has to be renewed three times in a season.

While the majority of the houses in methods of construction are fully up to date for the business of growing palms as compared with the best in the United States, there is one, to us, very objectionable feature, and that is that fully 75 per cent of them are entirely without ventilators. The weather the past few days (August 18-19-20) has been quite warm, ranging between 80° and 85° in the shade in the middle of the day, yet with but few exceptions no air is given, and then only the door is opened at one end. In addition to the sun heat many, very many, have their stock plunged in tan or waste flax, so with these energies at work an idea of the heat that is met when the door is opened may be imagined. As additional shading many growers use slats, in fact on some places they are regarded as necessary as the whitening. Some houses appeared so dark that Messrs. May and Pierson felt as if they had been wasting their spare room, and would in future turn their cellar spaces into palm houses. As to the quality of the stock seen, it varied very much; in some places it was good to first-class, in others it was fair to medium, and in some places it was not worth the freight to carry it to the States. While in many cases the plants are given plenty of room, in as many more they are much too close, and this together with the close atmosphere and the very little light that comes to them through the heavily shaded houses has much to do with damaged bottom leaves and long drawn foot stalks. The small iron stands so advantageously used by United States palm growers are not to be found here; some place special plants upon pots among small stock, but palms of one size are generally found plunged in tan together. Smaller grades are to be seen among the quite large stock, so as to utilize the room. In many cases are seen iron shelf frames attached to the rafters running the full length of the house, and fitted with glass bottoms; these are generally alongside or over the walks, and are filled with young stock.

As to the varieties grown, the kentias and Belmoreana being preferred; K. Forskiana comes next, generally found 3 in

a pot and in some places done very well. *Latania borbonica* comes a close third and is this season much in demand, as medium sized stock is scarce. Most of this variety seen were considerably drawn. *Aspidistras* are to be found in large quantities and generally well grown, although affected considerably with red spider in some places. We might say here that stock of all kinds generally seemed clean and free from insects. *Areca Baueri*, 3 in a pot, and *Chamarops excelsa* were also largely grown. *Cocos Weddelliana* was a favorite with many growers; it is done very nicely three in a pot, and when such plants attain their full growth in a 6-inch pot they are hard to beat, considering their lasting qualities as a house plant. *Ficus elastica* is touched but lightly; some few growers have quite a lot, but as a rule it is scarce and not as well done as in the States. Wm. K. Harris would certainly not father the best of the stock, and could he but view the plants as they are growing here he would see that he could beat the world, and would no doubt claim the championship. All propagations are from shoot cuttings rooted in sand in small pots. Very little *Areca lutescens* is seen, as it evidently does not thrive well here. *Dracenas* in variety, but no fragrans, are numerous, *Lindenii* being done well, and *bilbergias* also seem quite plentiful. *Araucarias* are considered good stock, and while nearly all have a few many growers have large quantities, some well up into the thousands. It really seems as if there too many being grown, judging from the quantity of young ones coming on and the salable stock now ready. The growers seem to have great faith, however, in this plant, and are very stiff in their prices. We have seen stock sold at wholesale in the United States at prices that would not be accepted here.

Bay laurels are to be seen everywhere and give the places a very picturesque appearance, as they can be grown on just as well when used decoratively as when standing in the nursery rows. They are all grown in tubs and trained to standards or pyramids, according to the demand. Some immense plants were admired, and when we wondered how they could be packed to ship we were told it was much easier to pack them than to find customers. The young shoots are frequently pinched back, and the plants are thus readily kept in shape. *Dracena indivisa* is largely grown, and many men have variegated varieties which have originated with them and of which they are quite proud. Robert Craig secured the stock of one of the most distinct, a strong growing variety with a dark red midrib, a decided novelty.

Tuberous rooted begonias are also grown to a considerable extent, and many fine varieties are to be seen. They do very well outside here, being perfect masses of bloom all summer long. They are generally planted in separate colors, and the effect of this massing is something gorgeous. *Gloxinias* are another class of plants of which quite a quantity is to be seen; they are all planted on tables inside, and in several houses they were seen so full of flowers as to almost hide the foliage. They are used as a summer crop to fill empty azalea houses. *Phormium tenax* is met with frequently, and quite a number have stocks of bamboo. *Dracena Brantii* is grown largely and mostly 3 in a pot; growers say they find a good demand for it.

Ghent is noted for its stock of azaleas, and they are to be seen here by the acre. The past season has been conducive to

their growth, and growers in the United States will no doubt receive stock equal to, if not better, than ever sent them before. All the stock is planted out in beds about five to six feet wide in very light soil, and when the plants are being shown they are caught by the stem and lifted out, the same as if in a pot, a great ball of earth clinging to the roots; they are dropped back again, and the growers say are none the worse for it. They are watered by hand with large cans having a spout two inches in width and a six-inch rose; these empty very rapidly and are filled from basins or tanks partially sunk in the ground among the azalea beds. These basins are away ahead of anything of the kind in the United States; they are round, three and one-half feet in diameter and the same in depth, they are made of cement over an iron frame and are finished at the top with an iron ring one inch in width, which is also the width or thickness of the cement sides and bottom. This basin is very strong, is easily transported, and if kept dry in winter the frost has no effect on it. They cost here \$4 each. The tanks are all connected by underground pipes, with the largest one at the pump, which is worked by hand on small places and with steam on larger ones. The hose is not wanted; one grower said he had to use a great number of men in spring and fall during the packing season and kept them watering in summer so as to have them for the busy season. All the azaleas are watered once a day, and during dry spells twice. The same course is pursued with begonias; while the watering is on the pumps are kept going and the various tanks all kept at a level. Watering with a hose has commenced here, however, the idea being copied from the United States by Belgian travelers; those who have it say it is much better and quicker than the can system.

Rhododendrons, *Azalea mollis* and other like plants are largely grown, many growers making these their specialty. Among the azaleas Mmc. Van der Cruyssen, Deutsche Perle, *Vervæana*, *Empereur de Bresil*, *Simon Mardner*, *Bernard Andre alba*, *Sigismund Rucker* and *Doctor De Moore* are among the best and are largely grown for American trade. A new one on the order of *Vervæana*, but with a more compact habit of growth and more white in the flower, is called Mmc. Francois *Vervæne*, but will not be in the trade for a year or two. Stock for anything larger than an 8-inch pot was quite scarce; some few large plants are seen, but generally the varieties were undesirable, the choice kinds being bought up in smaller sizes.

We should have mentioned some lots of crotons and *Pandanus Veitchii*; with few exceptions these are not done nearly so well here as in the United States, and of *Pandanus utilis* we have yet to see a plant. *Ophiopogon aurea variegata* is a plant seen in a number of places. *Anthuriums* are grown for the German trade in quite large quantities, and they seem to do well; some growers have them up to the exhibition standard.

The selling season is now on, and dealers from Russia, Germany, France, England, Italy and even America are seen at the different places selecting stock. "This house is all sold, gentlemen," or "We have no more of that size for sale, you should leave your order in the spring" are very common and vexatious expressions.

Packing appears to be done in a very systematic and careful manner. *Excelsior* is preferred to sphagnum to tie over the roots of plants. Holes covered with gauze admit air to the cases while en route. For the continent trade most of the stock



is packed upright in large round flat hampers and shipped by freight at this season. Large lots are packed in chartered cars; these cars are only about half the size of those in the United States, and their entire train service is away behind. Many of the best growers, whose stock as a rule is good and who pursue fair business methods have a large portion of their products sold in advance, or in other words, grow to fill orders from men who buy regularly each season and who have learned to depend on them.

From a careful inspection of the different grades of stock seen we would say that all first-class plants equal to those of a like quality in the United States sell in Ghent for about the same price as with us, when the carrying and custom charges are considered, and for some lots the price was equal in the nurseries here. Even with the great competition there seems to be plenty of room for enterprising men. One of the largest places here is owned by a man who ten years ago worked as foreman at \$1 per day. He now sells all his place will grow and consumes the stocks of numbers of small growers. Wages of good journeymen florists are but 40 to 50 cents per day, working from 6 a. m. until 8 p. m., with one hour and a half for meals.

Much has been said about the favorable climate, but we do not see that it is very different from that of the United States, at least as affects palm growing. All this class of plants is grown inside under heavily shaded houses, and when the poor, drawn, damaged leaved stock is taken out the general average of salable plants is brought away below that of the States. Their chief advantage is their cheap labor, but we believe that the American push and hustle, together with better methods of culture, will counterbalance this advantage, and that before long florists of the United States will be able to furnish better stock as cheap or cheaper than it can be imported, and not only wholly supply the existing demand, but by the increased quality and variety of their products build up a safe and profitable business on a much larger scale than is now thought possible. K.



#### Carnation Notes.

I was somewhat surprised to see an old grower stripping the yellow leaves from his recently planted carnations. Now, it is quite common for plants to lose some of the under leaves at this season, especially when we grow a little careless; more or less of the foliage will turn yellow, presenting a very untidy appearance. Any grower who is not up in plant physiology or who has not had much experience in growing plants will be very apt to strip those yellow leaves. By stripping I mean to pull the leaf down towards the base of the plant. Using a knife to make a clean smooth cut will not harm the plant, but to strip is to injure the growth, for it leaves the stem in a ragged condition and it exposes the young buds or stems to the light before they are ready. I have as yet failed to find a plant that would stand stripping of its foliage, and the carnation being of

quite a soft growth must in this respect be handled very carefully.

The mite or as some call it "thrips" is very apt to make its appearance at this time. Tobacco is the remedy, either the dust scattered on the soil or tobacco stems placed under the benches. Fumigating will destroy the mite, but I prefer the former methods, as fumigating at this time is apt to wilt the foliage. As the plants begin to start into growth have your supports ready. I shall use the "Excelsior." How is it that the manufacturers did not call this support "The Lonsdale" in honor of the originator? Ned should have had it patented. A little delay in training the plants makes them untidy all the year; long straight stems is what you want, and to get these commence with the support now.

CHARLES H. ALLEN.

#### Carnation Supports.

A subscriber wants to know the "very best support for carnations." This may seem to some a limited subject, but in reality it is a large one. There have been a great many new devices of late, and the apostle of each claims of course that his is the only way. The writer is one who is not only willing but anxious to try any plan that is claimed to be an advance, and has in consequence given a trial to many different devices. It is a matter of considerable importance, this tying up or supporting carnations, and we may as well all know the best. Fifteen years ago and even less the great majority of carnations were grown and used as short stemmed flowers. Nowadays a very small proportion is used in that way. There is no use for colored carnations unless they have stems from 10 to 20 inches. When nearly all carnations were used short stemmed the old pine or cedar stake did very well, if the plants were not tied too tightly round the stake, as I have often seen them, but that plan won't work where you have to pick a Daybreak with a stem 18 inches long, simply because it takes you five times as long to get that stem out from the rest of the plant as it does to pick a flower where the stake is not used, and it often happens with a man's impatience he will cut the top string and leave the plant with an observation anything but a blessing.

There have been several different arrangements invented with an upright wire and on it a circular wire with a spring and catch. One or more of these circular wires enclose the plant. I can't recommend any such arrangements; they are too expensive and are not much more satisfactory than the old stake. I speak from experience with several hundred of these on different varieties. Of the different methods which are really worth considering there is first the strings crossing on all sides of the plant. I believe this has been illustrated in the pages of the FLORIST; I know it is adopted by some of the largest growers, and having tried it with several varieties it is to me most satisfactory. The varieties that it was a complete success with were T. Cartledge, Scott, Silver Spray and Portia, and I see no reason why it should not work just as well with Daybreak and other standard sorts. If the bench is 6 feet wide or a little more a wire (No. 16) should be stretched on the outside of the bench and two wires in the bed, dividing the space equally. Have the wires pulled tight. You cannot stretch the wire 100 feet or more without its sagging, but that is easily remedied by supporting the wires

at intervals of a few feet with a piece of lath. Let the wires be about 6 inches above the surface of the bed, and fastened in such a way that as the carnations grow you can raise them a few inches. I found after trying both ways that it is best to plant the carnations in straight rows, that is opposite. If I can make it more plain I mean this: if you start with the first plant 5 inches from the edge board let them all be so, so that you can stand at the end of the house and look down the avenues between the plants. Run the strings diagonally across the bench, fastening the string as you go to each wire, and when you are through you will find every plant inside a diamond of string. Last winter I saw the chicken netting plan in operation, and it was a perfect success. Silver Spray, a fine lot, was the variety. That is simply getting some coarse netting, cutting it into lengths the width of the bench and about 20 inches wide, bending it into this shape, A, and placing between the rows. It was such a success that with Silver Spray and Portia I shall adopt it at once.

I saw at W. J. Palmer's last winter an invention which I rather think is his own, and which was to me far ahead of those spring wires; it was simply a heavy wire cut into lengths, say about 3 feet and bent into shape, resembling exactly a magnified hair pin. A leg was shoved into the soil on each side of the plant. Three strings were used, but it was impossible to tie the plant too closely because the wires prevented it. For tall growing varieties this is an excellent plan. In conclusion I consider the strings the best way of all, next the chicken netting, the plan last described well worthy of a trial, and all better than the old forest of stakes, which is yet to be seen in some wayback localities. W. S.



#### Chrysanthemum Notes.

The table given in the issue of August 31 may not be accurate in every instance. Some credit sulphate of ammonia with 25 per cent nitrogen and phosphate of ammonia with as low as 21 per cent phosphoric acid, and again it is said the last named may be compounded so as to contain twice that amount. Taking the first item in the table we find 2,800 lbs. would contain 17.9 lbs. nitrogen, 14.8 lbs. phosphoric acid and 14 lbs. of potash, a total of 46.7 lbs. of plant food. Let us make a mixture of these salts as follows:

	Nitrogen	Phosphoric Acid	Potash
25 lbs. sulph. of ammonia . . .	5.05		
25 lbs. nitrate of potash . . .	3		10.
25 lbs. phosphate of potash . . .		8.75	6.50
25 lbs. phos. of ammonia . . .	3	10.	
100	11.05	18.75	16.50

Giving a total of 46.5 lbs. plant food.

The manure generally used is not as good a quality as that upon which we have based our calculation, being usually decomposed in the open air, where it loses some strength, and when used in the fresh state is soluble in water only to a limited extent. It is safe to say it will



require two tons of ordinary manure to give the same amount of plant food as contained in 100 lbs. of the mixture given in the liquid form. It is not surprising ruinous results follow the use of such highly concentrated substances unless administered with discretion. Like many others we have made some failures, and at the same time have had other such excellent results as to fully demonstrate it was not the substance applied that was in fault, but the indiscriminate use which caused the trouble. We use a 40 per cent mixture and began weekly application July 1, at the rate of 1 ounce to 12 gallons of water, which has been gradually increased until the last two applications were 1 ounce to 6 gallons. The plants are now showing ample vigor, and as the buds are forming we shall immediately go back to our first proportions of 1 to 12 and continue at the same intervals until the flowers show color. If there are any using these concentrated foods that by analysis are shown to contain a total of nitrogen, phosphoric acid and potash of from 35 to 40 per cent we would advise not a stronger solution than 1 ounce to 6 gallons. These are the same proportions recommended by Mr. John Thorpe some years ago for the occasional use of sulphate of ammonia, and will apply to all highly concentrated mixtures. We have never applied in larger doses and continued same week after week without regretting it; some varieties did not apparently suffer, while others produced contracted flowers. Mixtures may be made more concentrated than the one given. Take equal parts of nitrate of potash and phosphate of potash; we will have 56.5 per cent plant food, but will only contain 6 per cent of nitrogen, which is hardly sufficient for chrysanthemums.

In looking over the analysis of chrysanthemums we find the ash from strong plants contains 10.39 per cent soda, 26.28 per cent lime, 10.22 per cent magnesia, which we have not provided in this mixture. Nitrate of soda may be used in the place of sulphate of ammonia, and will supply soda as well as nitrogen, or phosphate of soda will supply phosphoric acid and soda. Lime we supply by three light applications during the season of air slacked lime over the soil. There are soils which are abundant in lime and possibly would need very little, but as it is found in excess of all other minerals in their structure there is a very heavy drain upon the soil, which is apparent when we consider the fact that 26.28 per cent of the ash of chrysanthemums is lime.

Sulphate of magnesia (Epsom salts) will supply from 80 to 85 per cent magnesia. Most soils contain sufficient iron, but if the foliage assumes a yellow cast and this is not due to overwatering dissolve  $\frac{1}{2}$  ounce sulphate of iron and apply with one barrel of water or liquid manure.

Phosphate of ammonia at present is obtainable only through manufacturing chemists, and is too expensive for practical use; we understand, however, it is prepared in Europe from the cheaper sources and offered at a reasonable figure. Phosphate of potash is also a foreign product.

These artificial manures are more favorably considered each year, which will continue to grow as we become better versed in their use. We are very much in need in the country of an establishment to furnish these unnatural products. With these things within our reach and our experiment stations ready to make any researches, who could tell us the

functions each of these elements perform in building the plant and its flowers; tell us whether phosphoric acid predominating in our plant food will give the best blooms; whether nitrogen in excess of the other two important constituents will give extra size to the foliage; whether it is potash or lime that will increase the substance. With such valuable data at hand each grower could formulate a mixture to suit his soil, and this mixture could be yearly reproduced or changed as need be.

Now, returning to other cultural matters you will find many varieties setting buds, some have already taken those of the early sorts and as it requires from forty to fifty days from the time they are taken to full development we shall have to take some crowns in order to be ready for exhibitions the first days of November. Such varieties as Vivand-Morel, Chas. Davis, The Queen, Louis Bochmer and all its sports generally give terminal buds in time, which we prefer to crowns. Give constant attention to watering and tying, and see that the laterals are removed before they get long.

At the approach of cool nights the growth is very rapid and may cause some flagging of foliage at mid-day. If this is the case do not overwater at the roots, but syringe overhead sufficiently early in the day so they will dry off before night.

Do not forget the aphids, fumigating or tobacco dust will dispense with them, and never defer this work until you have a large stock on hand.

ELMER D. SMITH.

#### Lifting Chrysanthemums From Outside.

I have some chrysanthemums planted out in the open ground and I want to flower them in pots in the greenhouse. Now, would you be so kind as to tell me when is the best time to lift them; should it be done before the buds are set or after they have formed their buds? M. P. Conn.

We should recommend lifting at once, in fact prefer to do this not later than August 15. This gives the plants time to become established in their new quarters before buds are set. Lift and after potting place in an open shed or well shaded house for a few days, syringing the foliage occasionally to prevent flagging.

ELMER D. SMITH.



Mildew on Tea Roses.

What is the very best remedy for mildew on tea roses? W. J. M.

Sulphur is still an excellent remedy for mildew on all kinds of roses, etc. It should be applied late in the afternoon, while the sun still has some power; shut the house up tight, and with a pair of bellows fill the house with clouds of sulphur, and then when the sulphur has settled upon the plants and surrounding air may be again given. "Grape Dust" is also a very excellent remedy for mildew and other fungous diseases. Prevention, however, is better than cure. Good rose growers rarely or never have mildew on

their roses at any time of the year. By applying any of the fungicides at frequent intervals before any signs of mildew appear, it will never trouble any establishment, provided ventilation is correctly attended to and the roses are not allowed to get too wet at the roots and on the foliage or kept too dry. E. L.

#### White Grub Worms.

How can I destroy white grub worms in the soil? I have lost quite a few plants from the grub worms eating off the roots. W. J. M.

I do not quite understand what is meant by "white grub worms," unless it be the larvæ of the May beetle, and if it is this grub worm it is very difficult, if not quite impossible, to eradicate when once taken with the soil into the rose house and the plants are in position. It generally costs the life of a plant to catch these depredators. The only way now that I can see out of the difficulty is to watch the plants closely and notice any signs of wilting in the foliage, and as soon as that is seen immediately examine the plant, and the grub will be found at the base; and some extra fine plants should be held in reserve in pots to take the places of those that are destroyed. Anything applied on the soil with the view of killing these grubs would also endanger the life of the plants. It is necessary to catch the worm as quickly as possible, for as soon as he has done his deadly work on one plant he will immediately proceed to another. E. L.

The above will also serve as an answer to the inquiry of J. J. L.

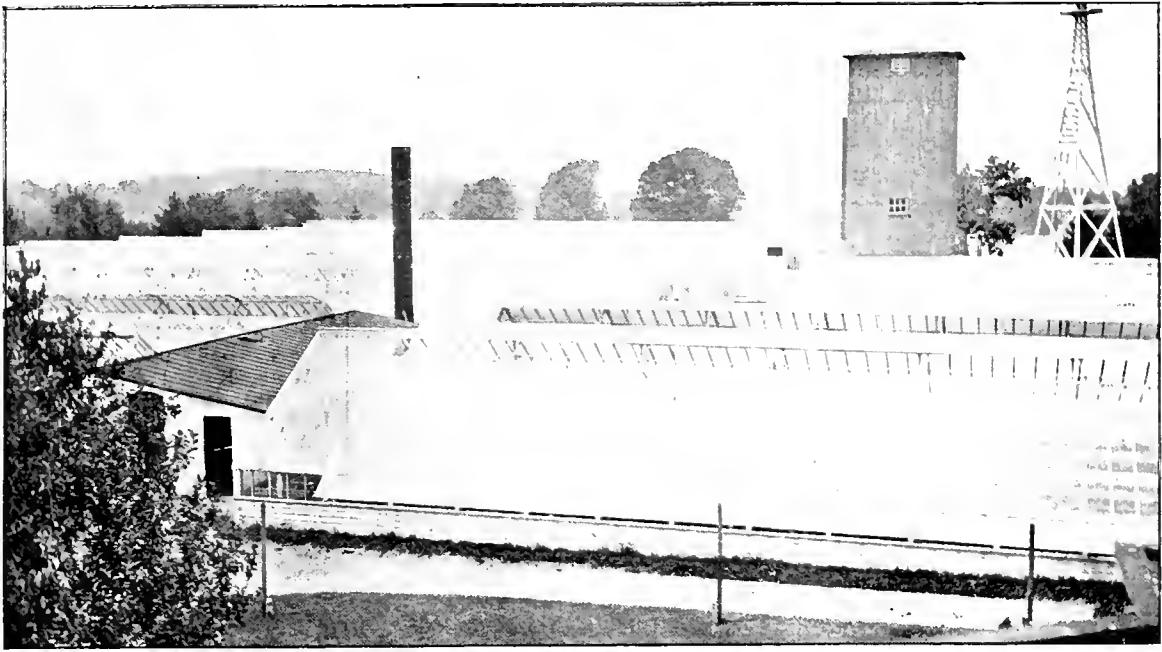
#### Massachusetts Horticultural Society.

##### FALL EXHIBITION.

The annual exhibition of plants and flowers was held at Horticultural Hall on September 4 and 5. Two years ago this exhibition was added to the free list, but the attendance has not materially increased on that account. This may be attributed in part to lack of advertising. This time the placards announcing the show were placed at the entrance but a few hours before the opening. The annual exhibition is always a good one and it is to be regretted that more effort is not made to have the public see these wonderful productions of the art and zeal of our skilled gardeners.

The upper hall was as usual the scene of a superb display of stove and greenhouse plants. Some of the old exhibitors in this section were absent, but there were enough on hand to maintain the high reputation of the Boston private gardeners. The collection from Dr. C. G. Weld, Kenneth Finlayson, gardener, occupied nearly the whole of one side of the hall and was very creditable throughout. His caladiums were far better than have been seen here for a long time. They were well hardened off and stood up all through the exhibition without a sign of flagging. The splendid specimen crotons of former years were missing, but Finlayson's crotons, although small, were finely colored and together with his dracaenas added much to the effectiveness of his group. *Aralia Kerchoviana* was one of the most beautiful plants in this collection. It should be grown more generally as a florists' plant. Its rich glossy foliage is very effective.

The group shown by N. T. Kidder, Wm. Martin, gardener, was also worthy of the



PARTIAL VIEW OF THE GREENHOUSES OF MR. JOHN BURTON, CHESTNUT HILL, PHILADELPHIA, PA.

highest commendation for the quality of the individual plants and their artistic arrangement. Caladiums were well done here and ferns and lycopods were as usual among Mr. Martin's strongest points. A group of fuchsias in 10-inch pots from this exhibitor attracted as much attention as anything in the hall, and a grand specimen of *Allamanda Williamsii* loaded with bloom caught the eye of the craft, who understood its value.

E. S. Converse, D. F. Roy, gardener, Harvard Botanic Garden, John L. Gardner, Wm. Thatcher, gardener, and James Comley were also among the exhibitors who staged large and showy groups of decorative plants. The specimen *Cycas circinalis* from Mrs. A. D. Wood was as near perfect as possible. In orchids the only exhibitors were John L. Gardner, who showed a nice collection, including several of that prime favorite with commercial growers, *Dendrobium Phalaenopsis*, and Mrs. F. L. Ames, Wm. Robinson, gardener, who contributed two rare novelties, one being *Sopho-Lælia Veitchii*, a beautiful hybrid of which this is the only plant in America, and the other a new cypripedium species of the niveum type, but with flowers one-half larger and which has been named *Miss Ames*. The *sopho-lælia* was awarded a silver medal and the cypripedium a certificate of merit. A plant which attracted as much notice as anything in the exhibition was *Richardia (Calla) Elliottiana* in bloom, whose superb yellow flower was a genuine surprise to those who had not seen the variety when exhibited here before. It came from Mrs. Ames. Mr. Robinson states that this is the third time the plant has bloomed with him. It was given a rest outdoors through the summer and on showing signs of growing six weeks ago was taken in and given plenty of heat. Mr. Robinson believes that it requires stove temperature to get best results. It is interesting to know that a florist in the vicinity of Boston claims to have successfully crossed this calla with *Little Gem* and seedlings are up. David Allan showed a creditable little group of plants, among which were a number of his old favorite *dipladenias*, *amabile*, *Brearleyana* and

*protusa*, plants only 6 to 8 inches high, but bearing several blooms on each.

The show of aquatics was as usual a leading attraction. The nymphæas shown by John Simpkins were of enormous size and included a large variety of the finest sorts. L. W. Goodell also made a fine display in this section. From Oakes Ames, Carl Blomberg, gardener, came also a creditable collection grown entirely in the open air. A revision of the schedule whereby aquatic plants grown with and without artificial heat should come under separate classes would be a wise move. Peter Bissett was awarded a certificate of merit for seedling *nelumbium*.

The lower hall was wholly filled with cut flowers. On the platform was an extensive display of dahlias from W. W. Rawson, who was honored with a silver medal therefor. Dahlias were uniformly excellent all through and superb collections were shown by L. W. Snow, John Parker, L. H. Parker, Lothrop & Higgins, W. C. Winter, A. Lummas and W. E. Endicott. Mr. Winter's liliputians were much admired. Single dahlias were poorly represented and seem to have completely lost their popularity. Asters were of inferior quality as a rule, it being too late for the crop as ordinarily grown in the garden. At any of the wholesale markets might have been seen quantities of asters superior to any in the hall, the products of the commercial growers to whom a continuous crop of good asters means dollars and cents.

Cannas made a brilliant showing. From R. & J. Farquhar came a splendid collection of named varieties and W. H. Cowling sent a set of twenty sorts. Robert Christie showed a lot of seedlings to which honorable mention was given. J. S. Cowles showed his Mrs. Fairman Rogers in good form. Alongside was a vase of *Mme. Crozy* which suffered by comparison. Mr. Cowles was inclined to resent the criticisms on this variety made by the canna committee at Pittsburg and was endorsed by Mr. F. L. Harris, who said that with him it had proved much superior to *Crozy*. The yellow border to the flower was much narrower than as shown in previous years, but Mr. Cowles

states that later on with cooler weather this feature will be fully restored.

Annual and biennial *dianthus* in single flowered sorts were shown in quantity by L. W. Goodell and the Bussey Institution and a decided advance in quality was noted, as well as several new shades of color. Mr. Goodell also showed sixty varieties of sweet peas, which were unusually good for the season. He called attention to a vase of his new early flowering cosmos grown from seed sown in the open ground May 15 and which had been blooming since August 15. Every shade of color seen in the late flowering variety was represented and when it is considered that October is the usual blooming time of cosmos in this latitude the value of this new sort is apparent.

Tropæolums shown by Dr. Weld, A. L. Cain, E. S. Converse and others were very good, as were also 20 varieties of perennial phloxes from T. C. Thurlow, the individual blooms on one variety, *Eclairaux*, being larger than a silver dollar. A splendid novelty in a *chrysanthemum* flowered sunflower was shown by J. W. Howard, and it received a certificate of merit. The blooms are very large, petals narrow and color the most brilliant orange yellow.

In zinnias the superiority of the liliputian flowered strain was very apparent; those from Dr. Weld and L. W. Goodell were excellent. Tuberous begonias, while shown in quantity, were rather undersized as a rule, and marigolds were very inferior throughout.

The grapes from Mrs. J. W. Clark, John Ash, gardener, surpassed anything seen here for some years. Golden Hamburg was especially fine, and received a silver medal. The special premiums for hot-house grapes are offered at the annual fruit and vegetable show which occurs in October. This a mistake. The gardeners who are interested in hot-house grape culture are those who grow the exhibition plants. The annual plant and flower show is the occasion that most concerns them, and provision should be made for the grape competition at this time. These people have little interest in an exhibition of apples and pears, and

cannot be induced to come in under such circumstances.

Among the visitors to the show were Mr. and Mrs. J. Horace McFarland, Harrisburg, Pa.; Robert Christie and J. S. Cowles, Newport, R. I.; and J. H. Troy, Short Hills, N. J.

#### New York.

On Thursday, September 5, the New York Florists' Club visited the beautiful water gardens at Clifton on invitation of Mr. S. C. Nash. The occasion will long be remembered by those who participated as one of the most delightful experiences of their lives. From the moment the party arrived at the station, where they found stages in readiness to convey them to the grounds, everything was done that kind hospitality could suggest for the comfort and enjoyment of their guests by Mr. Nash and his charming family, who were untiring in their efforts to make the visitors feel at home, pointing out the most rare, interesting and beautiful among the aquatic treasures which he has collected and arranged in such a natural and artistic manner. A band of music was in attendance and with the happy combination of beautiful flowers, sweet music and good company it is no wonder that everyone was delighted with his experience of Clifton hospitality.

After strolling along the edges of the lakes and ponds admiring the wonderful and majestic victorias, the noble lotus and beautiful nymphæas a visit to the greenhouses was in order. Here the American Beauty was seen in all her glory. House after house in finest health and vigor and a bench of Belle Siebrecht on trial. A return was then made to the water garden, where a large marquee was erected, and under its shade were tables loaded with good things and adorned with large vases of American Beauty roses. Due attention having been given to this feature, President Allen made a few appropriate remarks in recognition of Mr. Nash's generosity and added that it was expected that each visitor should register his name and receive a souvenir as a memento of the occasion. After congratulation and hand shaking the company gradually dispersed, some of them going to Carlton Hill to call upon their friend Julius Roehrs and look through his vast establishment.

For a sultry evening with the mercury standing at 80° the meeting of the New York Florists' Club on Monday last was a very well attended one. On the center table stood a plant of the new variegated foliaged canna from John White of Elizabeth, N. J., and vases of cut bloom from new varieties shown by Jas. Dean and Peter Henderson & Co. Mr. White's seedling is a dwarf growing tricolor, the foliage being finely variegated with green and creamy white and with midrib edges and an occasional section of the leaf of deep red. The committee on awards was instructed to visit Mr. White and inspect the plant as growing in the open ground. It was decided that the club shall hold a canna exhibition at the club room on the evening of September 23.

A proposition was received from Mr. Mestaniz looking to the holding of a fall exhibition in the roof garden at the Grand Central Palace. The proposition was a liberal one, but it being the general opinion that it is now entirely too late to think of any large exhibition the present year, the trustees were instructed to confer with Mr. Mestaniz and to consider the advisability of arranging for a show to be held in the fall of 1896. In order that

those having novelties in chrysanthemums might have an opportunity to show them the secretary was requested to arrange if possible to open the club room one afternoon each week for four successive weeks during the coming chrysanthemum season. The matter of the approaching meeting in New York of the American Carnation Society having been brought up the trustees were instructed to take steps to procure a suitable hall, manager of exhibition, etc.

A motion presented by Mr. Jas. Dean, thanking the Pittsburg and Allegheny Florists' and Gardeners' Club for the royal welcome and generous hospitality extended to representatives from New York at the recent convention was unanimously adopted. Mr. P. O'Mara was then called upon to regale the meeting with an account of his experience and impressions of the trip to Pittsburg. He spoke in high commendation of the systematic manner in which all local matters were carried out by the Pittsburg brethren, of the gratifying attendance at the sessions, the deep interest manifested, the important steps taken for the future prosperity of the national society, and expressed the hope that its policy may be so shaped that every member of a gardeners' and florists' club may be a member of the Society of American Florists and its affiliated branches without the payment of a multiplicity of annual fees. He spoke a good word for the social side of the convention, gave a glowing account of the experiences of the great excursion to Homestead, and paid his respects in a humorous vein to the bowling and shooting clubs that represented New York at Pittsburg. Mr. Gibson's lecture, he claimed, was alone worth all it cost to go to Pittsburg, and the president's reception he characterized as a beautiful conception and elevating entertainment.

A vote of thanks to Mr. S. C. Nash for his invitation and kind entertainment to the club was unanimously carried.

Cut flower trade shows some faint signs of waking up, but not enough to make any impression on prices or the surplus. The surplus is still in evidence notwithstanding recent changes in handling, and the Greek walks down Sixth avenue with his armload of American Beauties just the same as ever. All varieties are plentiful and sales are slow. Good carnations are disposed of without difficulty but at modest figures.

H. A. Seibrecht, accompanied by his wife, has gone to Montreal to serve as judge in the exhibition of the Montreal Horticultural Society, which opens on September 12, and will take advantage of the opportunity to take a vacation trip on the St. Lawrence, visiting the Thousand Isles, etc.

A. & F. Rolker will have their first plant sale on Tuesday September 17, and will continue thereafter every Tuesday and Friday regular throughout the fall.

Bulb dealers have advanced prices on Roman hyacinths about five dollars per thousand.

#### Chicago.

During the cool days of last week business improved greatly, but this week the hot wave sent everything back to mid-summer dullness. Prices continue the same as last week. Roses are slowly improving in quality. Carnations are extremely plentiful, both field grown and indoor stock, the latter being both from old and young plants. The extra quality of disbudded stock is still to be noted, some field grown Fishers from Mundt presenting a purity and finish that formed

an extraordinary contrast with the same variety grown without disbudding.

Asters are quite plentiful, yet they sell well, bringing from 50 cents to \$1. They have sold readily all through the season; so far they are entirely field grown. Cosmos is not yet seen. Tuheroses are plentiful, selling for \$2 to \$4 per 100 spikes; the best are from plants lifted and bloomed inside, thus securing greater purity of color than is obtained from the outdoor plants. Dahlias seem very scarce, probably on account of the dry summer. Little change is likely to be noted in this market until frost comes.

William Stuenkel, an old time florist, died September 9, aged 81 years.

Wesley Kidwell, formerly in business on Milwaukee avenue, died September 11 at Elgin, after a long illness, aged 37 years.

At the meeting of the Florist Club last Thursday evening an excursion down the drainage canal was decided upon and the afternoon of Saturday, September 21, selected as the time. A committee was appointed to make arrangements and will notify each member by mail as to place and hour of meeting.

At the bowling session scores were as follows:

					Average
J. S. Wilson.	196	192	167	162	179
Chas. Held.	213	153	164	192	180
G. L. Grant.	205	189	180	201	193
A. Ringier.	207	182	195	154	184

Recent visitors: James Gurney, Missouri Botanic Gardens, St. Louis; Geo. Souster, Elgin, Ill.

#### Philadelphia.

In the line of business in the trade, there is little to report as yet, but upon inquiry we find a slight stir, or ripple as it were. The wholesale men and the growers are moving a limited amount of goods, which is used mostly by the retail trade in making a presentable display in their windows, etc. It can hardly be said that business in a retail way is entirely dead, as all of the stores are doing a little. The letter carriers' convention, which was held in this city last week (September 2 to 7) was a feature in its way, but to the florist it was of little value. The only order for flowers reported was the decoration for the banquet, and favors of small bouquets for the lady guests. As this convention was of a strictly business nature, it was not expected to furnish much in the way of festivities. Pennock Bros. received the order for the above work.

The Penna. Horticultural Society will resume its regular monthly meetings on the 17th inst. at the hall of the College of Physicians, northeast corner 13th and Locust streets. After a rest of two months the members will feel in better trim to push along the work of the society during the current season.

The American Dahlia Society had intended to make an exhibition of their favorite flower at this September meeting and all arrangements were supposed to have been completed, but at this date we hear not a word in relation to the matter. At the June meeting of the Penna. Horticultural, the request from the Dahlia Society asking the Horticultural Society to allow the dahlia show to be held under its auspices was acceded to, but as the dry weather has played havoc with the dahlia, it is presumed that the dahlia enthusiasts will let the exhibition go by the board for the present season.

Mr. Casper Pennock, of Lansdowne, Pa., has returned to business after a three months sojourn at Ocean City, N. J.

Mr. Geo. W. Carr of Kingston, Pa., with his brother, visited the city during





city September 24-27; an extra fine display will be made.

"Chrysanthemum show? Well, I guess yes. You bet we'll have a show and a corker too." Several faint hearted florists have been wondering whether the society would hold a show this year or not. The above is President Lewis' reply. The outlook for a show was never so good as now. A visit to the various establishments shows quantities of good pot stuff in fine condition, some of it evidently receiving more than ordinary care, besides which there are about 100,000 blooms growing, not to speak of roses and carnations, which as a crop will be finer and more plentiful than ever before. We will have a show and a good one.

H. H. G.

#### Indianapolis, Ind.

The Florists' Club held its last outing for the summer at Bellevue Club House. Bowling was the main sport, and some extraordinary scores were made. The September meeting of the club was held Wednesday, September 4. J. J. B. Hatfield read one of his usual interesting papers, this time it was "Propagation of plants." It was scientifically handled and listened to with marked attention. Mr. Albin Schreiber was selected for the October meeting as essayist.

The committee for the chrysanthemum show reported that a meeting of all the committees would be held at Mr. Wiegand's office September 18, about 8 p. m., for final arrangements. Mr. Anthony Wiegand offered the upstairs room of his office for a meeting place of the club, to be decided on at the next meeting. Bowling alley building matter dropped. After the meeting refreshments were served.

H. W. Rieman is busy finishing improvements to his dwelling and greenhouses; he has added one house 12x100, one 20x100, and another 12x100, he will also build an additional shed and new stable before the cold weather sets in, an addition to his dwelling was an improvement early in the season. A fine lot of cyclamens are showing blooms; they will be grand plants. Mr. Rieman reports a small bug or beetle eating the leaves without his being able to detect them.

John Heidenreich has just finished a rose house 25x84. He intends building a dwelling on his corner lot and we shall be badly mistaken if he does not move into it with, well—you can guess! He has a house of excellent smilax coming along.

W. J. Hasselman has added one house 96x21 for roses; a new system of steam heat for the entire place has also been completed. He is a successful grower of La France roses.

Mrs. L. P. Witmuth will read a paper on culture of chrysanthemums before the Noblesville, Ind., Floral Club at their next meeting.

Gus. Lange formerly in charge of the Insane Hospital Greenhouses, has bought out Robert Miethke's place.

A. Wiegand has nearly finished his extensive improvements, which will add very materially to the looks of his establishment; a new office building with basement, two stories, rooms 20x22; a small veranda adds very much to the appearance. A palm house remodeled and enlarged (100x27) starts off from the office, being along side the street; it will be a show house. His chrysanthemum plants are in good shape and are the best in the city this season.

Mrs. Chas. Rieman is remodeling several houses.

The terrible weather a few nights ago luckily did no very great damage to any florist, several caved-in cellars and some drowned plants were reported. A few scattering hail stones fell. It was the most terrific storm ever experienced, the lightning, thunder and rain lasted unabated 5 to 6 hours. Nearly 7 inches of rain fell.

The State Fair occurs September 17-21; as usual the horticultural department will have a good display. Entries closed September 7; a request has been made of the superintendent not to allow any fakirs in and about the building.

Sorry to say that not one member from here attended the National Convention at Pittsburg, the different improvements kept them at home and then the extreme dullness of the summer trade cut the spending money short.

While the trade shows some life it is far from satisfactory, with few exceptions. Good flowers are scarce, shipped roses extremely poor, weak and spindly. The Huntington Seed Co. report their bulb and other trade booming.

Edward Cornelli has entirely moved away from his old place; he is somewhat behind with his new place, a driven well has given him considerable trouble in locating water.

Barclay Walker, an enthusiastic amateur of our club, has volunteered to compose a "Chrysanthemum March" for the opening of the coming show, he is a prominent music teacher and composer.

W. B.

#### San Francisco.

Business the past week was very brisk, but this week everything is at a standstill. Last week's activity was due to the big society week at the Del Monte in Monterey. There was quite a demand for American Beauty, also violets were very frequently asked for, and as usual both these two articles were very scarce. Quite a lot of shipping was also done, but of course the prices realized were not large. Asters are in by the thousand, but there is nothing for them. Albums and rubrums are very cheap also. Marie Louise violets are beginning to make their appearance now and are coming in quite freely. As yet the California has not come in, although some Czar are seen.

A new florist firm has started in the Alcazar Building at 118 O'Farrell street under the firm name of E. & R. Mann. They will make a specialty of artistic decorations, etc.

The Los Gatos Floral Society had its regular meeting August 26. Mrs. Johnston read a paper on "Science of plant life" which was followed by illustrations by Mr. F. E. Johns. METEOR.

#### Omaha.

Business very backward, plenty of outdoor stock, and few cut flower buyers have returned from their summer outing. During the past two weeks the nights have been quite chilly and the days very cool for this period of the year, and the quality of greenhouse stock is improving. No frost as yet, although it was expected a few nights ago. Omaha secured the State Fair for the following five years, and several of the florists are busying themselves for a display at "Floral Hall."

The latest thing in the way of a "trust" is a combination of florists at Lincoln, Neb., called a "flower trust." They have pledged themselves not to make a display at the Lancaster County Fair, to be held at Lincoln, as they consider the premiums

offered insufficient for the extra work and expense attached to such displays. The officers of the association have agreed to repaint the hall some, but the florists say it is premiums and not paint they want. The hearts of the lovers of flowers are filled with sorrow, as the probabilities are there will be no floral display.

L. A. Moore of Plattsmouth, Neb., is building a house 35x115 for 'mums.

Herman Kountz has a large force of men repairing his private conservatory, which was destroyed by hail early in the spring. Mr. Kountz lost about 4,000 feet of glass besides some very fine palms and ferns.

J. F. Wilcox of Council Bluffs, Ia., has returned from a ten days' trip to Chicago, Philadelphia and other eastern cities.

G. R. H.

#### Cincinnati.

There is a slight change in the market since last week, and a change to warmer weather, following the rain, will give a good late crop of outside stuff. There is still a preference shown to outside flowers, which keeps roses down, though there is a slight advance over last week. Gladiolus is coming to an end, the spikes being poor and weak, but the demand for these flowers is still active. Fine calendulas are coming in from outside; if the frost holds off there will still be a large crop of these flowers. Cosmos is just coming into bloom and there is likely to be a good quantity of it, unless frost interferes. Dahlias have greatly improved but they are not as good as in previous years owing to the dry weather, and being largely deficient in stem. The flowers however are perfect. One of the leading varieties here is a yellow variety unnamed. Its popularity is shared by a clear pale pink; these two lead though the bright crimson is also liked. The very dark or fancy colored dahlias are never so popular. White is largely used, especially the small type. Tuberose are extremely plentiful and the market is loaded down with these flowers. Dwarf double sunflowers are plentiful and good, they are very satisfactory for the florist's window. Demand for fern, smilax and asparagus good. Carnations are improving some, and the best sell for 75 cents per 100 field grown. Many of our growers are now lifting, and before very long we shall be sending out some very fine bloom from this market.

The florists from over the river claim trade is improving and several wedding decorations in sight.

The Hoffmeister Floral Co. say they have been very busy with funeral work and floral decorations during the past month.

W. and L. Pfeiffer are cutting a lot of fine asters, field grown.

Mr. Johnston of Johnston & Ruttle is still on the sick list. P.

#### St. Paul.

Trade is slowly improving, though there is no very noticeable change since my last letter. The weather this week is the hottest of the season, and social circles are correspondingly quiet.

The state fair being held here this week has called for a great many flowers and floral designs. One of the large clothing stores opened a new store and was handsomely decorated with palms, floral designs, etc., besides giving away as souvenirs several thousand cut roses. L. L. May had this work, also a job of decorating the front of a large wholesale house with various grains. The city is



being gaily decorated and illuminated, and many of the stores have called for palms, green wreathing, etc., so that on the whole trade for the week will be above the average.

Henry Krinke of this city has built two new houses this season, one for roses and one for violets.

Stock about town is looking very fine indeed. Roses are just coming into crop. Carnations are being planted inside and are the finest plants ever grown here. Chrysanthemums are looking extra fine and a fine exhibition could be held here this fall if our florists were only so disposed.

The FLORIST color chart is a recognized authority among our florists and will be carefully preserved for future reference.

In my former notes I should have named the fact that Seeger & Heisekorn have dissolved partnership, Mr. Seeger continuing the greenhouses and Mr. Heisekorn the city store.

Recent visitors were J. B. Comont of Carter & Co., London, Eng., S. S. Skidelsky and Martin Renkauf of Philadelphia. FELIX.

#### Wood Ashes as a Fertilizer.

Your correspondent who inquires about wood ashes does not state what crop he intends to use it for, so it is not easy to advise him as to the amount which it would be safe to use.

The analysis of plants shows that from 25% to 50% of the contained solids (ash) is potash. This, however, must not be taken as an indication that we should add one-half or even one-fourth of wood ashes to our compost. We must remember that our soils are composed of materials that are only partially available for plant food, and that to apply a large amount of potash which is in a quickly available condition would be useless, and possibly harmful. Potash is a powerful chemical reagent, and will liberate ammonia from its compounds with great rapidity, and should not be used with fresh manures unless one wishes to drive off the ammonia.

Probably one part of wood ashes to one hundred of well ripened compost or good rich soil would be sufficient for general use. If leached ashes are used the proportion might be increased to one in ten. Wood ashes are a source of phosphoric acid as well as of potash, a fact which should be borne in mind by carnation growers. JOHN F. COWELL.

#### A "Rapid" Rose.

The following intensely interesting item is making the rounds of the daily press. Blooms in 28 days from sowing the seed will surely be a desideratum.

A Parisian, M. de Vilman, has distinguished himself by the production of a new rose, in which all lovers of the "queen of flowers" will be greatly interested. This rose is a cross between a Japanese rose and a hybrid perpetual. The bush blooms throughout the summer, single, double and semi-double, in the shape of pompons and with a tendency to clusters. But the amazing quality of the new rose is the marvelous quickness of its growth. If the seed be sown in January the plants begin to bloom by middle April. Two plants, so says M. de Vilman, even beat this record. Seeds were sown on March 1, and one began to blossom March 28 and the other three days later. Doubtless at this rate America will soon be flooded with the *rose de Vilman*, for anything so rapid is in harmony with our national preferences.

#### Use of Insecticides.

Replying to J. R., all plants that are easily injured by frost are particularly liable to damage from an overdose of any insecticide. Melons, Lima beans and cucumbers are among such. Frequently

it is thought that if a little is good more is better, but this is not true with insecticides. An insect is a small animal, and the lighter the insecticide is applied the more effective it is as a general rule. In using manufactured insecticides care should be taken to never apply more than noted in the directions that accompany the material. B.

#### Making Ice.

A good way to make ice during the winter is to fill lime or sugar barrels with water, let them stand until the water is frozen solid, then roll into the ice house and pack, cutting the hoops of the barrels before packing. H. C. GARRARD.

Franklin, Pa.

DOUBLE PETUNIA BLOOMS recently received from S. O. Streby, Upper Sandusky, O., showed unusual size and substance, as well as uncommon beauty of color. They were as firmly double as a first-class carnation, with a spread of 3 to 4 inches, the edges crimped and fringed. The colors were very distinct, and there is no doubt Mr. Streby has obtained a very fine strain of these useful plants.

MIDDLETOWN, N. Y.—Mrs. Firnhaber is erecting two new houses each 11x16, making her a total of 6,000 feet of glass. She reports business as good. Her manager is M. Bartholomew who was for several years with Mendenhall of Minneapolis.

SPRINGFIELD, MASS.—The Amateur Horticultural Society at a meeting held September 6, voted not to hold a fall flower show, as owing to the numerous conventions in the city it has been impossible to secure a suitable exhibition hall. Many of the members will exhibit at the show of the Hampden County Hort. Society. The Rev. W. T. Hutchins has been invited to speak to the Society September 20 on his trip abroad.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—By young man, age 21; 2½ years' experience. References. Address JOHN C. WAGNER, Muskegon, Mich.

**SITUATION WANTED**—By commercial greenhouse man, 10 years' experience; angle; good references. FRANCIS, 155 Harrison Ave., Boston, Mass.

**SITUATION WANTED**—By single young man to do general work about greenhouses and learn the trade. Address J. B. 305 E. King St., Lancaster, Pa.

**SITUATION WANTED**—By a good rose and cut flower grower; single; 15 years' experience. References from some of the largest growers. Address B. A. care American Florist.

**SITUATION WANTED**—By a first-class grower of roses, carnations, chrysanthemums, palms, orchids, etc.; married, one child. Address H. W. care American Florist.

**SITUATION WANTED**—As gardener by married man, no children; private place preferred; 15 years' experience. Address L. BERGSTROM, Lake Forest, Ill.

**WANTED TO EXCHANGE**—Vines in 3-inch pots, and cyclamen bulbs, for Silver Spray and Wm. Scott carnations, or Marie Louise violets. BIRCH OAKS NURSERY, Sibley, Ill.

**SITUATION WANTED**—In Minnesota or the North-west by a first-class cut flower grower and general plantsman; good references. HAD, 233 Whitney Place, Buffalo, N. Y.

**SITUATION WANTED**—As gardener, Scotchman; 18 years' experience in all branches of the trade. Competent to take charge of first-class private place. Highest references. M. W. care Am. Florist.

**SITUATION WANTED**—By a young man, age 18, as assistant in greenhouses—wants to learn the business. Private or commercial. Experience and references. Address Wm. BOECK, Elmhurst, Ill.

**SITUATION WANTED**—As gardener; experienced in all branches of greenhouse, pleasure and vegetable garden; English, married, age 35, abstainer. Apply C. W. 40, care J. C. Vaughan, 84 Randolph St., Chicago.

**SITUATION WANTED**—By a young, industrious S. German, age 25, as assistant rose grower or in private place; 3 years' experience in general greenhouse work. Address F. K. Box 571, Alexandria Bay, N. Y.

**SITUATION WANTED**—By a young man, age 22, married; 3 years' experience in rose and general growing. Temperate, clean, and a steady man for a steady job. Prefer Mississippi valley. Best references. Address WM. H. COLLINS, Oskaloosa, Ia.

**SITUATION WANTED**—By German florist, 14 years' experience in roses, carnations, violets, mums, palms and general stock; good design and cut flower worker; strictly sober and honest; commercial or private place. A. B. care American Florist.

**SITUATION WANTED**—By an active young man who is thoroughly acquainted with cut flower growing and general plant trade, and also possesses a good knowledge of book-keeping, etc.; a subordinate position on a large establishment preferred. ARTHUR H. BOOL, Ithaca, N. Y.

**SITUATION WANTED**—As foreman or manager; 25 years' experience in Europe and America in cultivation of roses, carnations, mums, palms, decorative and all kinds of plants; commercial or good private place; married, age 40 years, 8 years to last place; reference. Address GEO. NORTON, Box 547, Fairport, N. Y.

**WANTED**—Retail catalogues. Address them to B. J. PASSMORE, Swarthmore, Pa.

**WANTED**—Bermuda Easter lilies (Harrisli), at once. MRS. ANNA HEACOCK, Parsons, Kan.

**WANTED**—Agents to sell Child's Rainmaker nozzle. M. M. JONES, Gen'l Agent, 6122 Oglesby Ave., Chicago.

**WANTED**—Boiler to heat about 500 feet of 4-inch pipe. Must be good, and cheap for cash. Box 46 Herkimer, N. Y.

**WANTED**—Please address your trade catalogues to A. A. NEUFER, Brook St., Louisville, Ky. (Formerly Naoz & Neufuer.)

**WANTED**—Second-hand hot water boiler, also 4-in. pipes, immediately. Cash payment. JOSEPH CHARONNE, Decatur, Ill.

**WANTED**—Greenhouse assistant; young man preferred; state experience and wages, including board. GEO. S. BELDING, Middletown, N. Y.

**WANTED**—A florist at the Indiana Reform School, Plainfield, Ind.; he must be first of all competent, unmarried, not too old and of good character. T. J. CHARLTON, Supt.

**FOR SALE**—Boiler, 18 foot, 2 Hue, horizontal, suitable for greenhouse, cheap. McDONALD BROS., Columbus, Ohio.

**FOR SALE CHEAP**—Wilks heater; self-feeder No. 24. P. O. b. here. Address JAMES LEAKE, Box 436, Belvidere, Ill.

**FOR SALE**—Greenhouse with stock; 2000 square feet of glass, good location, good market, city 20,000 inhabitants. Reason, other business. THEO. NOEHLE, Green Bay, Wis.

**FOR SALE**—Florist business, 6 greenhouses, dwelling house, barn, wagons, and stock, in good location. Easy terms. Address B. A. L. 171 Broadway, Room 56, New York City.

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**FOR SALE**—A Botanza for someone with a cash capital of \$1,500. A man can go into an old established business, either by buying or leasing, on easy terms; the object in disposing of same is ill health. For full particulars address MRS. GEO. R. FRAYELL, Marion, Ind.

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**FOR SALE**—A rare chance! A plant of 3,000 square feet of glass in first-class order, heated by hot water and fuel; fine dwelling of five rooms, wood and coal sheds, barn, clusters and well; about two acres of well improved land. Business well established in this city and surrounding towns. Located at Fort Madison, Lee Co., Iowa, with population about 15,000. Two blocks from electric car. Shipping facilities. A No. 1. Fuel cheap. No better paying business for amount of capital invested in the United States. Address for full details and information H. W. HOFFMEISTER, Box 185, Fort Madison, Lee Co., Iowa.

## NOTICE.

LOUISVILLE, KY., Sept. 5th, 1895. The Fidelity Safety Vault & Trust Co., assignee of Nanz & Neuner, have sold the entire business, greenhouses, stock, accounts in action chosen and good will to a syndicate, who will continue the said establishment under the same name, viz., Nanz & Neuner, under the entire management of

H. NANZ.

## Surplus Stock. Water Hyacinths.

Until October 10th we will fill orders at \$5.00 per 1000 f. o. b. Now is the chance to replenish your stock. GEO. B. MOULDER, Lily Park, Smith's Grove, Ky.

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remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to se-  
cure insertion in the issue for the following Saturday.

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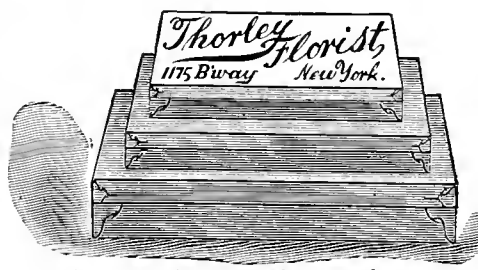
## Toronto.

The show of plants at the Industrial Exhibition opened last week is deserving of many superlative adjectives, and is as a whole a decided improvement on last year, although in some few instances fault might be found. Among such a magnificent lot of plants, however, one feels inclined to overlook the few deficiencies which after all are only visible to experts. The two principal sections, viz., the 75 stove and greenhouse plants and the decorated tables 19x16 feet, contain the cream of Toronto's greenhouses, and are worth traveling miles to see. There were five entries in the former section, Exhibition Park (John Chambers), Central Prison (Wm. Houston), Reservoir Park (Geo. Reeves), John Cotterell, florist, and Grainger Bros., florists; the prizes were given in the order named. Every one of the plants shown in this section was a wellgrown specimen, and altogether they make the grandest lot ever shown in this city.

The tables 19x16 feet, of which there were four, contain an immense quantity of well grown plants, all most tastefully arranged, though all in different styles. Horticultural Gardens (A. Watkins) was first with a very pretty and effective arrangement, J. H. Laing second with a table in his usual natural style, but perhaps not quite so good as some of his former efforts, but the plants a little better. Manton Bros. were third with an improvement on former years, a very fine table, and John Cotterell fourth with lots of fine plants, but with his usual fault, too closely packed. The judge, Mr. F. G. Foster of Hamilton, must have had a difficult job on hand when judging these two sections, but it is the general opinion that, taking all things into consideration, his decisions could not have been given any other way, and were fairly and conscientiously made.

There was also a large exhibit in the section calling for 12 stove and greenhouse plants, and some very fine specimens were shown; Central Prison was first with a magnificent lot.

The ferns shown were a sight to behold, and a truly splendid one; I don't think they could be beaten anywhere. A *Microlepia hirta cristata* from Exhibition Park was as big as a cart wheel and a perfect specimen; the adiantums also were immense, and fine almost beyond belief. Fancy caladiums were well shown by Exhibition Park and Central Prison; the latter I thought had the best, but the judge thought otherwise; both were good, but the former were past their best. The exhibit of stove and greenhouse flowering plants showed signs of improvement over former years; there were more good plants than usual. Orchids made a poor show, and were not worth taking notes about.



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I hope next week to give names of some of the specimens which were especially worthy of mention.

The city is chuck full of people. Hotels, eating houses and banana stands are making lots of money, but as I said in my last notes, the florist does not make much out of the crowd; the expression of an agriculturist from Wayback when told the price of a palm would make a good study for an artist.

A feature of the exhibition worthy of special notice this year is "Society Row," a crescent street of tents used by the lodges of the various societies as a meeting place for their members. The Row is decorated its whole length with palms and other plants supplied principally by Messrs. Cotterell, Manton Bros. and Slight. A lot of large old seaforthias came in very handy for the job, and look well. E.

## Milwaukee.

Trade has improved considerably; although the supply is a trifle larger sales are quite good, and prices are stiffening. Retailers have had quite a number of small reception orders, ferneries to fill, centerpieces to arrange, etc. Roses are quite good, carnation supply barely large enough. Some growers' carnations do not keep as well as usual, although they look well on arrival; they turn brown in center. Judging from reports there will be plenty of Daybreaks this season. There is a good supply of beautiful asters, white, light pink and lavender. These choice asters are quite useful. Clematis paniculata is being used to advantage. Sweet pea crop is over. There is considerable activity in plants this week.

Recent visitors: Mr. C. W. Pike and J. Bensted of Racine, Wis. T. J. Armstrong has gone to California. Z.

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Roses, general list.....	per 1000.....	1.00@ 3.00
" Beauty extra.....	.....	5.00@20.00
" ordinary.....	.....	1.00@ 5.00
Carnations, ordinary.....	.....	.25@ .50
extra.....	.....	.50@ 1.00
Valley.....	.....	2.00@ 3.00
Sweet peas, per 100 bunches.....	.....	.50
Anraturm lilies.....	.....	3.00
Asters.....	.....	.25@ .50
Gladoliolus.....	.....	.50@ 1.00
Tuberose, stalks.....	.....	2.00
Hydrangeas.....	.....	1.00
Smilax.....	.....	8.00@10.00
Adiantum.....	.....	.75@ 1.00
Asparagus.....	.....	50.00
	BOSTON.	Sept. 11
Roses, general list.....	.....	1.00@ 4.00
" Beauty.....	.....	10.00@15.00
Carnations.....	.....	.25@ .50
extra.....	.....	.75@ 1.50
Asters.....	.....	.25@ .50
Valley.....	.....	2.00@ 4.00
Sweet peas.....	.....	.10@ .15
Lilies, white Japan.....	.....	3.00
Gladoliolus.....	.....	1.00@ 2.00
Adiantum.....	.....	.75@ 1.00
Smilax.....	.....	10.00@12.00
Asparagus.....	.....	50.00
	PHILADELPHIA.	Sept. 11.
Roses.....	.....	1.00@ 4.00
" Beauties.....	.....	15.00
Carnations.....	.....	.25@ 1.00
short outdoor white.....	.....	.50
Asparagus.....	.....	35.00@50.00
Valley.....	.....	3.00
Cattleyas.....	.....	25.00@35.00
Sweet peas.....	.....	.25
Smilax.....	.....	15.00@25.00
	CHICAGO.	Sept. 12.
Roses, Beauties long.....	.....	10.00@15.00
" short medium.....	.....	2.00@ 6.00
" Large teas.....	.....	1.00@ 2.00
" select.....	.....	3.00
Carnations, select.....	.....	.75@ 1.00
field grown.....	.....	.50@ .75
Gladoliolus.....	.....	1.00
Asters.....	.....	.50@ 1.00
Hydrangeas.....	.....	4.00@ 6.00
Tuberose.....	.....	2.00@ 4.00
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**Wholesale Florists,**  
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**THE COLOR CHART.**  
 We can supply extra copies of the color chart  
 that appeared in the Convention Number at  
 25 CENTS EACH.  
**AMERICAN FLORIST CO.,**  
 P. O. Drawer 164, CHICAGO.

### The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.  
S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-  
bers St., New York, Sec'y and Treas.

MR. J. E. NORTHRUP is at the seashore on the New Jersey coast for his health.

VISITED CHICAGO:—E. Schaettel, S. Y. Haines, Miss C. H. Lippincott and S. B. Dicks.

ROMAN HYACINTH bulbs continue scarce under active demand for immediate delivery, but we hear of lots to arrive about September 25, which may ease the market.

EARLY REPORTS from the fall mail trade indicate decided improvement over last season's business at the same date. Have the good crop prospects encouraged the mail buyers?

MR. W. ATLEE BURPEE reached home from his European trip on the 7th inst., with health very much improved. The steamer was a day late owing to a mishap to her engine.

RUMOR has it that the 1896 spring catalogue crop will appear in much less gaudy and over done coloring than usual and in general with fewer kinds of flowers or plants shown but more art given to the arrangements.

#### No More Gifts of Seeds.

SECRETARY MORTON SAYS HIS POLICY IS  
INDORSED BY THE PEOPLE.

WASHINGTON, September 4.—The free and unlimited distribution of seeds by the government has probably stopped for good. The secretary of agriculture said to-night that not a single protest has been received against his action of July 20 in stopping the seed evil.

"Not only is this a fact," said the secretary, "but we have clippings of 500 newspapers from all sections of the United States warmly approving the abolition of the seed distribution. The agricultural and horticultural rural press is unanimous in its approval."

It has been the custom to put 450 tons of seeds in the mails annually for free distribution. The annual cost of this was \$168,000.

"It was easy to see that the people of the country cared nothing for the seeds,"

continued the secretary, "by their failure to acknowledge their receipt. There were last year 9,000,000 packages of seed sent out to about 1,750,000 people, and we received less than 1,000 acknowledgments of their delivery. I have no idea that there will be any attempt to re enact the law requiring the distribution of seed."

When it was suggested that perhaps some republican orators would urge this stoppage of seed distribution as evidence of the administration's disregard for the farmers, Secretary Morton said:

"Just let them try that. I have a check for \$75 that was paid to a republican member of congress for his quota of seeds. That member is worth \$1,000,000. One member told he had bought up \$1,000 worth of seeds from fellow members last year."—*Chicago Times-Herald, Sept. 5.*

#### St. John, N. B.

The second annual exhibition of the St. John Horticultural Association was held in St. Andrew's Rink August 27-29, and was a success financially. While the professional exhibit was superior to last year, the amateur was not as good. This was due largely no doubt to the exceedingly wet season. James Harris, manager of the Nova Scotia Nursery, was the judge, and gave the greatest satisfaction to all concerned. Mr. Bebbington's exhibit was well worthy of first for best gen-

eral display, with McLean a good second. The display of the Horticultural Association shown by Supt. Knott was well done indeed, considering the limited time he has at his disposal. Gould's mantel decoration was not overdone, and was much admired. Much severe comment was made by prominent members of the society on the action of some of the city florists in not attempting to make exhibits in either of these exhibitions, and it is much to be regretted that such should be the case. The private exhibit of exotic ferns by Will McIntosh, gardener at Jos. Allison's, was undoubtedly the feature of the show. Mr. G. N. Hays' collection of 37 varieties of native ferns was good also. This was the pleasantest show ever attended by the writer, the best of good feeling being in evidence among the exhibitors.

The organization of a florists' association is still talked of; it is a good idea, and quite possible.

There is talk of a greenhouse at the Rural Cemetery; it is needed there.

Mr. McIntosh is putting up a new palm house and intends to go into decorative plants more extensively. S.

#### S. A. F. Award.

The following was accidentally omitted from our report of the awards at Pittsburgh: "Myers & Samtman, Wyndmoor, Philadelphia, highly commended for well grown plants of carnations Della Fox and Annie Lonsdale."

## THE NORTHRUP, BRASLAN, GOODWIN CO.

Wholesale Growers and Jobbers of

# SEEDS,

55, 57 & 59 N. Jefferson Street, - CHICAGO.  
MINNEAPOLIS: 20 to 28 Hennepin Avenue.

The disposal of our retail catalogue business places us in better position than ever to care for the Jobbing Trade. We will be glad to quote you prices at any time. We are Headquarters in this line.



Chicago House.



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New Catalogue now ready. Mailed free on application. We quote

TULIPS in mixture, \$3.50, \$5.00, \$6.50 a thousand, according to grade.  
CROCUS in mixture, \$2.00 and \$4.00 a 1000.  
HYACINTHS in mixture, \$22.50, \$27.00 and \$38.00.  
NARCISSUS incomparabilis, yellow, single or double \$6.00 a 1000.  
CAMPERNELLES, golden yellow, \$3.50 a 1000.  
JAPANESE LONGIFLORUMS, 7 to 9 in. \$45.00 a 1000, and so on. All less 10 per cent. cash discount.

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EXTRA EARLY RED,  
WETHERFIELD,  
WHITE PORTUGAL,  
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FREESIA REFRACTA ALBA,  
LIL. LONGIFLORUM,

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ESPECIALLY LOW PRICES FOR EARLY ORDERS.

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**Plants, Seeds and Bulbs.**

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### ADIANTUM FARLEYENSE.

We have two one hundred ft. houses filled with a grand lot of this beautiful Fern; a perfectly healthy lot of cool grown, well hardened off plants with fine large foliage.

	Per doz.	Per 100
2-inch pots	\$2.00	\$15.00
3-inch pots	3.00	25.00
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5-inch pots	75c each; \$9.00 per doz.	
6-inch pots	\$1.00 each; 12.00 per doz.	

### ADIANTUM CUNEATUM.

A grand lot. Over 100 000 in stock.	
2-inch pots	\$5.00 per 100; \$40.00 per 1000
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5-inch pots	20.00 " 2.50 per doz.

### DORYOPTERIS NOBILIS.

A rare and beautiful variety.  
3-inch pots. . . \$2.50 per doz.; \$20.00 per 100

Our stock of **Decorative Plants**, such as Palms, Araucarias, etc., is now the most complete offered. All of these are accurately described in our current Trade List.

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Horticultural Manure, Bone Meal,  
Tobacco Stems, Rose leaf Tobacco.

## SPHAGNUM MOSS.

Liquid Putty, Glaziers' Points,  
Violet and Smilax Plants.

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ENGLISH MUSHROOM SPAWN.**

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They are the best at the

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Philadelphia, Pa.





## A Color Chart

far more brilliant than that of Mr. Mathews may be had by planting and cherishing our field plants.

Carnations Introduced this year:

	Per 100
<b>OPHELIA</b> —(Own). Pink, large and free, flowers bring top price.....	\$15.00
<b>KOHINOOR</b> —(Penock). Large, white, occasionally pencilled with pink, very fine.....	10.00
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<b>ELDORADO</b> —A free blooming yellow, finely formed flowers, often reaching 3 inches, petals edged with pink.....	15.00
<b>KITTY CLOVER</b> —A most prolific bloomer, rather light yellow striped lightly with red and white, flowers fragrant.....	10.00
<b>EULALIE</b> —Light yellow, handsomely pencilled with light pink.....	10.00
<b>PRINCESS BONNIE</b> —Light pink ground, prettily pencilled with a darker shade, a very fine carnation and a great bloomer.....	10.00
<b>DAISY BELL</b> —White variegated, same class as Chester Pride, flowers much larger, and the plant will bloom much sooner.....	10.00
<b>GENERAL LIST.</b>	
<b>SWEETBRIER</b> , light pink.....	8.00
<b>WM. SCOTT</b> , pink.....	8.00
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<b>PORTIA</b> .....	6.00
<b>McGOWAN</b> .....	6.00
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Field grown plants. Send for prices.

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Leading varieties, strong plants, clean stock. Write for prices.

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In bud and bloom, ready to plant.

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ALL THE BEST VARIETIES.

From Four to Twelve Dollars per Hundred, according to variety.

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### 4 Acres Field Grown Carnation Plants, 96,000.

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\$1.50 per dozen. \$8.00 per hundred.

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Fine field plants of standard tested sorts that must be sold. Please send list of your wants for prices.

### 8000 LADY HUME CAMPBELL VIOLETS.

Fine field clumps. Price, \$8.00 per 100; \$75.00 per 1000. Also fine pot plants at \$4.00 per 100. Stock fine.

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FINE BUSHY PLANTS.

**WM. SCOTT, \$7 per 100. TIDAL WAVE, \$5 per 100.**

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**HINZE'S WHITE,** in limited quan-  
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**COL. WILDER,** our best \$6.00 per 100.  
red. \$6.00 per 100.

Strictly cash with order.

Also large stock of Palms, Pandanus Utilis and P. Veitchii, Aspidistras, Century Plants, etc., etc. Mostly large specimens, fine for decorations. Will be sold cheap. Have no further use for them.

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Headquarters for Roses, Tender and Hardy Plants, Shrubs, Bulbs, Trees, etc.

Catalogue and Price List free.

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## GOOD FIELD GROWN CARNATION PLANTS CHEAP.

Portia, Pierson, Tidal Wave, Garfield, Silver Spray, Grace Wilder.

Also strong **SMILAX PLANTS** from 2½-in. pots.

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## Montreal.

The cricket match between the Montreal Gardeners' and Florists' Club and the Lachine-Dorval club proved an unusually agreeable occasion. There was some fine playing on both sides, but the game ended with the visitors in a big majority.

After the match the visitors were entertained with a supper by the home team at Mr. W. Wilshire's, Mt. Royal Nurseries. The boys all did justice to this. After supper the president, Mr. J. Bland, proposed the health of the visitors which was responded to. Next toast was that of Mr. Wilshire, who had so willingly given his house for the supper and had helped with a will to make the undertaking a great success, while great credit is due to Mr. Davis for the way the supper was carried out. Some excellent songs were sung during the evening by Mr. McGregor, and there was a general cry for Tom McHugh's "Opening Time" and Jim Davis's "Christmas cake," Prof. Bray, F. Bennett, and Mr. Wilshire quite distinguished themselves as singers also. At last the parting time came, the visitors had to catch the train, and after "Auld langsyne," and "God save the Queen," had been sung the party broke up. The boys will always cherish the memory of their closing cricket match with the Lachine Dorval Gardeners' and Florists' club. B.

## Saratoga, N. Y.

The grand floral parade which took place here on September 5 was a great success in every way. The display was witnessed by fully 50,000 people. The floats and turnouts represented about every subject of note in history, fiction and mythology and the combination of flower decked carriages, bunting and beautiful ladies made a most brilliant spectacle. The finest feature of all was the bicycle division. Asters, marigolds, sunflowers, hydrangeas, golden rod, gladioli, ferns and evergreen were used in enormous quantities in decorating. The floral ball which was held at the Convention Hall in the evening was a grand affair. The building, holding 5,000 people, was crowded. The principal flower worn and carried by the ladies was the American Beauty rose.

## Worcester, Mass.

Housing carnations, bouvardia, etc. is progressing favorably, and everything is lifting splendidly. Building is being pushed as much as is possible, nearly everyone being pretty late, and striving to get done before frost gets around. Flowers are improving in quality; roses and carnations are very fine and business is slowly recovering.

The exhibitions still continue, and on August 29 some splendid displays were shown at Horticultural Hall. Last week the Bay State Fair was in progress, and there promised to be a good exhibition of flowers, plants, etc. A. H. L.

## SURPLUS STOCK.

BRIDES, BRIDESMAIDS, PERLES, SUNSETS, MERMETS, NIPHOTOS, VICTORIAS, from 2½-in. \$4.00, and from 3-inch \$5.00 per 100.

BEAUTIES, from 2½-inch, \$4.50 per 100  
" " 3-inch, 5.50 per 100  
ESTATE OF M. A. HUNT, Terre Haute, Ind.

## 10,000 STRONG AND HEALTHY SMILAX PLANTS,

out of 2½-inch pots. Cheap. Address  
FRED. S. HNEIDER, 751 Crawford St., Cleveland, O.

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By M. A. HUNT.

A PRACTICAL TREATISE ON  
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Also, **GREENHOUSE CONSTRUCTION**, illustrated Handsomely bound in Cloth, and sent to any address upon receipt of \$2.00.

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## PALM SEEDS

Just Arrived in Best Condition.

OREODXA REGIA, starting to ger- 100 1000  
minate. . . . . \$ .60 \$4.00  
PHOEN X CANARIENSIS . . . . . .50 3.0  
" TENUIS . . . . . .60 4.00  
BRAHEA FILIFERA, syn. Pritchardia flamen-  
tosa, \$1.00 per lb.; \$7.50 per 10 lbs.  
MUSA ENSETE \$1.00 per 100; 10.00 per 1000.  
Chas. Schwake, 404 E. 34th St., New York.

We are now booking orders for all kinds of Palm  
Seeds. Send your list and we will quote you prices.

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**  
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Mention American Florist.

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IN BEST VARIETIES.

ROSES, from 3-inch pots.  
CARNATIONS, for fall delivery.  
CHRYSANTHEMUMS.  
SMILAX.

Prices low. Send for list.

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## Special Offer.

Primroses, single flowering.....\$2 25 \$20.00  
Pansies ..... .65 4.50

CASH WITH ORDER.

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## 6000 Fine Ferns.

ADIANTUM CUNEATUM.

2-inch pots . . . . . \$5.00 per 100  
3-inch pots . . . . . 7.00 per 100  
4-inch pots . . . . . 10.00 per 100  
Also 5000 SMILAX, 2½ inch pots, at \$2.00 per 100  
or \$15.00 per 1000.

HENRY A. NIEMEYER, Erie, Pa.

## FOR SALE.

5000 MARIE LOUISE VIOLET Clumps, field  
grown, free from disease, \$5.00 per 100, or \$40.00  
per 1000. Cash with order.

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## VIOLET PLANTS

Good clean stock, from  
3½-inch pots.

**ELLIS & POLLWORTH,**  
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## SAMPLE BLOOMS.

25 of our extra new double  
Petunias will be sent free  
to any florist that will pay  
the express charges on  
them.

**S. O. STREBY,**  
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**Pitcher & Manda, Inc.**  
LOW PRICES.  
**PALMS, FERNS and ORCHIDS**  
Specialties.  
SHORT HILLS, NEW JERSEY.

## VIOLETS.

MARIE LOUISE, strong,  
healthy, field grown plants

**A. WASHBURN & SON,**  
BLOOMINGTON, ILL.

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Strong Seedlings 8 inches high, \$1.75  
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The above all my own growth of 1895 from extra selected stock. 1/2 pkts. of the above, 50 cts.

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1-4 oz. \$1.50. 1 oz. \$5.00.

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Very strong and healthy field-grown plants, \$6.00 per hundred.

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Mermets, Bridesmaids, Brides, Papa Gontiers, La France, from 3 1/2-inch pots, \$5 per 100.

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## PANSIES.

YOUNG PANSY PLANTS CHEAP.

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## News Notes.

READING, MASS.—W. B. Jeffrey is building a new 75-foot violet house.

MALONE, N. Y.—Mrs. G. M. Peterson has opened a flower store in the Ferris Block.

WHITINSVILLE, MASS.—Geo. McWilliam and wife have gone to Nova Scotia for a ten days' vacation.

ST. JOHNSBURY, VT.—C. F. Gibbs was married on Thursday, September 5, to Miss Mary D. Gibbs.

NORTH CAMBRIDGE, MASS.—Wm. A. Bock has added a carnation house 27x152, his other house being taken up mostly with *Ficus elastica*, ferns, palms, etc.

GOSHEN, IND.—E. N. Burt built one new house last spring. He will start a down town store about October 1, handling cut flowers, seeds, and a general retail line.

MATTOON, ILL.—Kirchgraber & Sons are rebuilding one house 18x40 and extending another 10x80. Business very fair at present, with good prospects in view.

PROVIDENCE, R. I.—The Rhode Island Horticultural Society will celebrate the fiftieth anniversary of its organization September 25, with a reception, floral exhibition and supper.

KEWANEE, ILL.—Wm. Parker and W. F. Bowles have succeeded T. Z. Maggarell as proprietors of the Illinois Floral Co. Frank W. Plummer and C. F. Wolcott have gone out of the business.

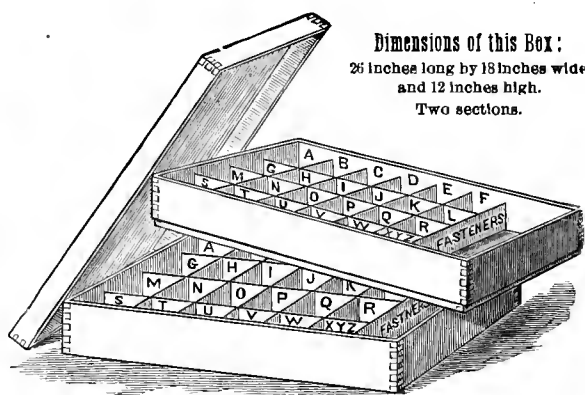
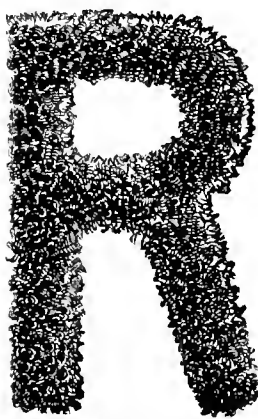
CAMBRIDGE CITY, IND.—Excessively dry weather has injured the growth of carnations here, and they are small for lifting. Geo. H. Peet & Son have made some addition to their glass. Wm. Hartje is building one house 18x100 for roses.

IOWA CITY, IA.—J. Aldous & Son are about to open a flower store on Washington street, in the business part of the town. They enjoy a good trade, the prospects of the coming season, in their estimation, looking bright and encouraging.

MELROSE, MASS.—The Melrose Amateur Gardeners' Society held its first annual display of flowers, fruit and vegetables on the afternoon and evening of September 2. The florists generally contributed, and the display was a very fine one throughout. The attendance was very gratifying.

VINCENNES, IND.—Mrs. W. A. Rieman has torn down a part of one of her houses, corner 3d street and Broadway, and is building a store 14x28, with all improvements. Mrs. Rieman will put up a ¾-span rose house 18x80 in the spring. Business has improved during the past week, several funerals and weddings keeping the florists busy.

SIBLEY, ILL.—Frank Skinner is shipping fine Lemoine hybrid gladioli, which he grows extensively. Henry Diers is adding three more houses for violets, each 11x80, using solid beds heated overhead with hot water. This increases his glass surface to 8,000 feet. The Sibley Seed Co. has absorbed the seed business of J. H. Beagley and the Mackinaw Seed Farm, of which Frank Skinner was proprietor. They will make a specialty of home grown farm seeds.



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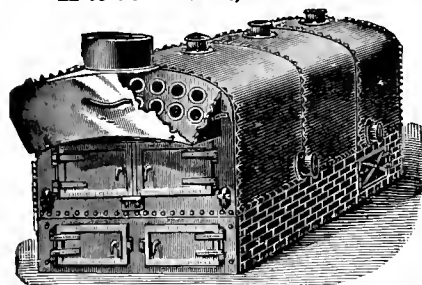
## Just Received GANE STAKES EXTRA GOOD QUALITY. 9 to 12 feet long, \$6.00 per 1000. 2000 for \$10.00. HENRY F. MICHELL, SEEDSMAN, 1018 Market St., PHILADELPHIA, PA.

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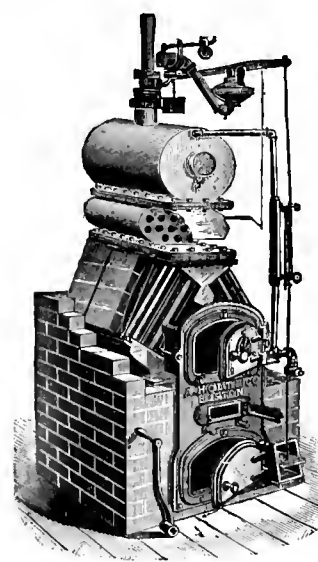
THE KINNEY PUMP.



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Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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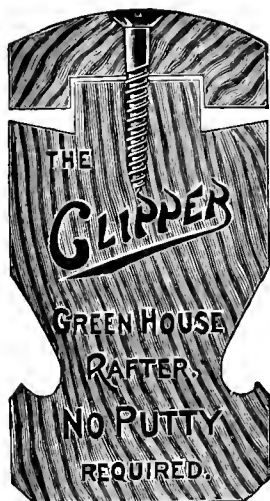


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Quickest and most effective cure for MILDREW, Rust, etc.; added to manure improves and cleanses it. 10 lbs. for 75c. 25 lbs. for \$1.50, bags of about 110 lbs. \$5.00—Net Cash.

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LOCKLAND, O.

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Carnations, Chrysanthemums, Palms, Roses, Violets, or anything else worth growing, and are not feeding them with

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you are missing a mighty good thing.

It can be used in solution, as a top-dressing, or mixed with the soil. Put up in 10, 25, 50 and 100 pound packages for florists' use, and in 1, 2½, and 5 pound tins for retail purposes. Write for trade prices and pamphlet.

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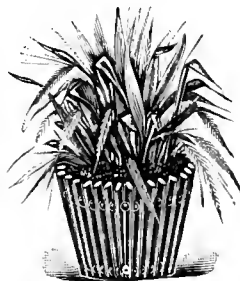


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## Oswego, N. Y.

The county fair was held here recently and proved a great success. I know many look upon county fairs as a great farce, especially in connection with the flower department, but the Oswego fair is an exception to this rule, and the plants staged there would do credit to a much larger city; in fact I have seen much poorer plants exhibited at the Horticultural Hall, Boston. The Oswego florists are live, wide awake men, and fully understand the value of good flower shows as public educators.

Among those who obtained prizes are the following: Water Workman staged a very choice and large collection of stove and greenhouse plants, for which he was given first prize; his groups of fuchsias, petunias, coleus, begonias and ferns were all remarkably good, and he received first prizes for them. W. Stewart was a good second with stove and greenhouse plants; coleus, begonias, and for palms he received first. D. Northrup staged a nice collection of stove and greenhouse plants, fuchsias, petunias and palms. C. Beckstedt had a nice collection of coleus, etc., but was strongest in cut flowers, capturing first prize for collection of cut flowers, gladiolus, asters, etc. Mr. W. Dowie, gardener for S. Conde, acted as judge, and gave great satisfaction, in fact there was the best feeling among all. Mr. Dowie exhibited a very pretty model of the upper terrace and flower beds of Mr. Conde's garden, which was much admired.

There is a good prospect for holding a splendid chrysanthemum show this fall, and steps will soon be taken to perfect arrangements. H. Y.

## Muscatine, Iowa.

Messrs. George J. and Emil C. Kranz, known as C. Kranz's Sons, who have succeeded their late father, C. Kranz, are about to erect two additional houses, one 16x100 for roses and one 20x100 for carnations.

Among other varieties they intend growing Bridesmaids on a larger scale than heretofore, a rose much in demand in this vicinity. Carnations will also be grown on a larger scale, the increased demand for these flowers necessitating the additional greenhouse.

A chrysanthemum show to be given by C. Kranz's Sons from the 5th to the 10th of November, will be the first thing of the kind that was ever attempted in Muscatine. X.

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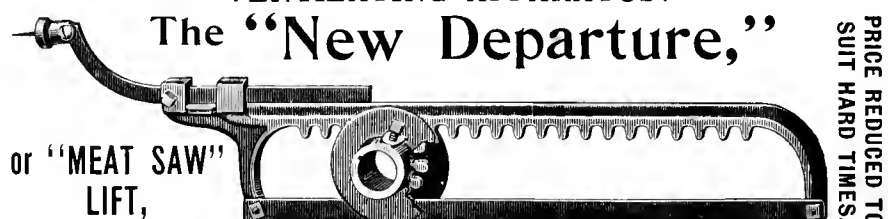
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## Florist Standard Pots

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Send for price list and samples and we know you will give us an order.

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STANDARD FLOWER POTTS					
1 1/2 in.	per 1000	\$2.40	3 1/2 in.	per 1000	\$6.00
2 in.	"	3.02	4 in.	"	7.20
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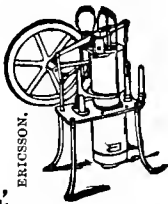
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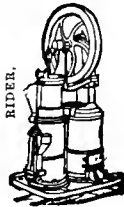
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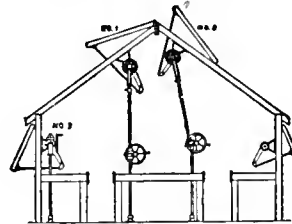
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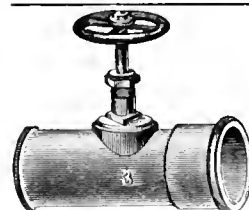
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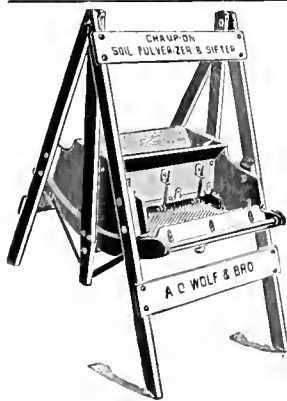
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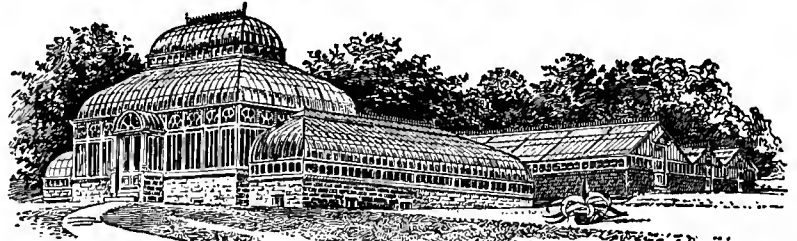
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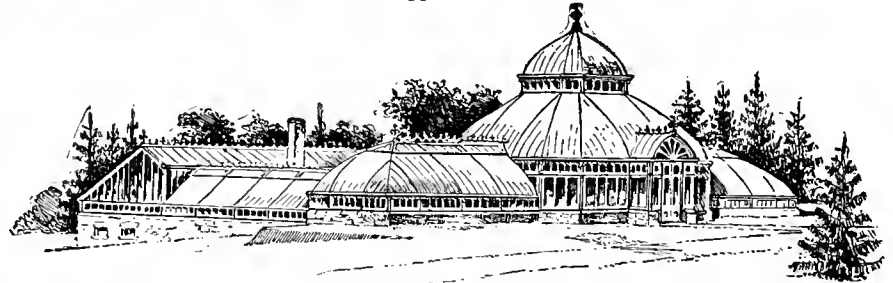
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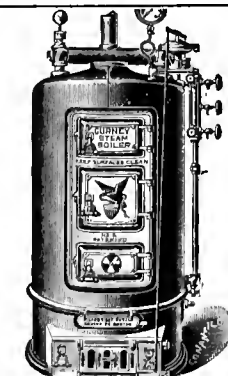
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Vol. XI

CHICAGO AND NEW YORK, SEPTEMBER 21, 1895.

No. 381

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

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The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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KINGSTON, N. Y.—Julius Burgevin has leased the greenhouses adjoining the Powell, Smith & Co. factory, and will take possession October 1.

HARTFORD, CONN.—The September exhibition of the Connecticut Horticultural Society will be held September 18 and 19 at Phalanx Hall. The chrysanthemum show will take place November 6, 7 and 8. The premium list in both cases is liberal.

### Through American Eyes.

#### BRUSSELS.

Brussels is a beautiful city, would that we could transfer some of its grand tree lined boulevards to America. One of them leading to the main entrance of the park is three hundred feet wide and probably a mile long with a roadway either side and one in the middle, between these are double lines of horse chestnut trees. A double tramway passes close to one line of trees and from some cause this row has lost nearly all its leaves. The reason is given that the jarring caused by the passing of the cars prevents the new roots from taking hold. Mr. Pierson says he doesn't believe this theory, well, perhaps it's just as well.

The park is beautifully laid out with great tall trees close to the drive ways. The lawns are kept very closely trimmed. There is no bedding of any kind the effect being entirely green and a ride through the shady drives is very enjoyable.

There are not many large commercial places in Brussels, the principal one being Linden's which is now incorporated. This is probably the finest commercial place in the world. The whole establishment is as well kept as a private gentleman's estate, yes, we doubt if there are many of these even kept as well. There is unfortunately no room for lawns but the houses are so spacious that the effect is that of a tropical garden. Orchids are the special feature, they are to be seen here in perfection. We are not so familiar with this class of plants as to be able to do them justice but would say that we never before saw such a large, varied and healthy collection, nor one in which there were such quantities of valuable and rare varieties. They were arranged on tables with slat bottoms, even the step stages in the center of the large houses were made of slats. These tables were built over large brick basins of water running the full length of the house. Between each of the houses containing odontoglossums, which were built separately, there were basins to collect the rain water, these were connected with basins under the side tables inside the houses, so that the water was always on a level. The sides of the houses under the tables contained large ventilating spaces as well as ventilation at the top. They were also protected from the sun by slats, which were removed later to give all the light possible there being no other shading on the glass. In order to still farther reduce the temperature and provide moisture, there were round zinc cylinders 15 inches wide open at both ends projecting from near the ventilators under the tables to the walk. From the inside of these was thrown with considerable force a fine misty spray of water; this also induced a current of cool air from out side which carried the moisture about the house.

This was turned on and off as required. With all these precautions to keep houses cool and induce a moist atmosphere could not odontoglossums be grown successfully with us?

This firm have twelve collectors at work all the time in parts of the world where orchids are to be found. They expect one shipment soon of 60,000 odontoglossums alone. We were told it was better to keep cool growing orchids close together on the tables and they would do better than when farther apart. In some houses they preferred to give air from below rather than above. A few of the orchids grown by the thousand were *Cattleya superba*, *grandiflora* and *Mendelii*, and whole houses of *Odontoglossum crispum* and *Lælia purpurata*. Very many of the orchids were placed on small stands about six inches high rising from saucers of water six inches wide; the whole was made of common flower pot clay in one piece. There were many very beautiful specimen plants to be seen here, many of them rare and others new. Amongst others a handsome plant of *Cibotium princeps* being the finest specimen we have ever seen. A window garden or conservatory fitted to an ordinary window was an interesting feature for amateurs, it had an oil stove for heating and was said to give general satisfaction. It was about four feet long, three feet in width and the height of the window. The glass curved in at the top and filled as it was with beautiful plants and vines it certainly was captivating. A new adiantum on the order of *A. microphylla* was noted, it is variegated with white quite prettily and looks like a strong grower and one likely to be a good commercial variety. It is not named as yet. We noticed a very good arrangement for watering orchids in pots that are suspended from the roof of a greenhouse. It consists of a zinc cylinder about 6 inches in width and twelve long open at one end. To the bottom of this is attached a handle. When filled with water it is pushed up around the pot until the same is immersed then it is drawn down and passed on to the next ad libitum. Each pot is sure to get plenty of water and there is no splashing.

At A. De Lano's there are to be seen some very fine *Dracena Branti* which are quite bushy; it seems to throw out a quantity of shoots from the bottom. When grown to a height of 30 inches they were fine plants. There were also some good *Cocos Weddeliana* in 6-inch pots, three to a pot. We predict a good sale for plants grown this way in the United States. Orchids here are grown very successfully in leaf mould or peaty soil; they make strong growths and when ready to be shifted the pots have to be broken, as the roots take such a hold they can not be taken out otherwise.

Sunday morning in Brussels is the day on which the flower market blooms out



at its best; at this season it is not nearly as fine as in the spring, still the stall contained much that was interesting. The market is held in one of the center squares and over each stand is raised a very large umbrella to protect from sun and inclement weather. Some of the stands were very nicely arranged and the women and girls who made up the bouquets were very quick and dexterous and their work as a rule was good. Some close bunches with paper attachment were seen, but most were made rather loose and flat and pyramid shape, with a bunch of white *Antirrhinum* at the top. Asters, roses, heliotrope, the whole bordered with gypsophylla and backed up with hardy ferns completed the bunch which when finished was about 18 inches high and for which 3 francs (60 cents) was asked, but two would probably have been taken. The girls are quick to notice and do their best to sell. There were great baskets of mignonette in bunches of probably 25 sprays for 10 centimes (2 cents) violets the Czar bunches of 35 brought 25 centimes (5 cents). There were quite a lot of good hybrid roses and some really good La France. Paul Neyron and Jacques were the most plentiful and sold single at from 1 to 2 cents each, and in bunches up to a franc according to size. Pot plants, familiar friends most of them, sold in 6-inch pots for 1 franc, and plants in 4 inch pots from 30 to 50 centimes, 6 to 8 cents. The quality of the stock was about the same as with us. There were begonias, *Weltoniensis* and tuberous rooted, *gloxinias*, *coleus*, geraniums, standard fuchsias, dwarf dahlia, asters, Japanese lilies, *antirrhinums*, *hydrangeas paniculata* and *hortensis*, and a few early *chrysanthemums*, yellow, *Jardin des Plantes*. Palms and other foliage stock were to be seen but generally of poor quality.

A few of the cut flower stores that we noticed were equal to anything we have in the United States. They were fitted up with great taste. Baskets of plants with high handles decked with ribbons were arranged about and vases of flowers were also placed to advantage. The windows were very artistically arranged with choice palms, *araucarias* and ferns; vases of choice roses, Paul Neyron and other hybrids with long stems and good La France were seen. One window was beautifully arranged with ferns and orchids, fine sprays of *Odontoglossum crispum* as well as other choice varieties were used. Mr. Craig remarked "This is up to our highest standard and would do credit to Thorley." Several of the finest establishments are owned and managed by women with young women assistants. Petticoats seem to be all right here, our Buffalo friend to the contrary notwithstanding, but we presume it must be the climate.

Around the outer edge of one of their large city parks is a double row of linden trees; these are about twenty feet high the branches of which are trained and tied together like grape vines on a trellis, running the same way as the walk, they present a curious appearance.

A municipal improvement society offers prizes each year for the best floral balcony or balcony decorated with growing plants, quite a number of beautiful balconies decorated with bays, palms, blooming plants and vines are to be seen and add greatly to the beauty of the city. The first prize was worth over \$100.

The Botanic Gardens are quite extensive.

The main conservatory is a very imposing structure; this is filled with choice and very large palms, the garden is well

laid out and contains many curious and rare plants.

#### LAEKEN.

The King's gardens at Laeken in the suburbs of Brussels contain very park like and beautiful natural scenery. There is no carpet bedding or color of any kind if we may except a very large collection of standard roses, which are in a part of the grounds some distance from the palace. Near the roses there are also some herbaceous plants, and about the gardens in different places are beds of *rhododendrons*. Under the trees, which are planted for a wood or forest effect, is planted common ivy, which covers up the ground bordering the drives. The conservatories, which are very extensive, contain many rare and valuable plants as well as quantities of the better known and popular species.

The main conservatory adjoining the palace is a very large and elegant structure; it is very nearly as large if not equal in size to the Horticultural Building at the recent World's Fair, but much more beautiful and elaborate in its construction. It is filled with handsome specimens of valuable and rare plants. Connecting this structure with the very elegant floral chapel where the Royal family attend service is a splendid corridor about three-quarters of a mile long. This passage or floral avenue constructed of glass is planted its entire length on either side with choice blooming plants and vines, *stephanotis* and *passifloras* in variety and other choice climbers are to be seen. Geraniums, *heliotropes*, fuchsias and other like plants are trained into standards and their branches twined along the sides and over the top of the corridor, so that when in full flower it must be a bower of beauty indeed. Along the borders at the bottom on either side are planted ferns and mosses covering up the soil and giving the whole a finished appearance. A walk through this floral way led to the beautiful chapel seemed like being led from "Nature up to Nature's God." The building, which is most graceful in its construction from base to dome, is built of iron and glass. Around the sides are planted palms, ferns and other choice plants. It is an ideal place for worship.

Adjoining the chapel is the large palm house, one side of this large house has a wainscoting as it were of *Euphorbia Jacquiniaeflora* twelve feet high; this must be a bewildering sight when in flower. There are also here some very fine specimen palms and tree ferns, a magnificent plant of *Pritchardia grandis*, probably the largest in the world, is given a prominent position.

Extending from the palm house are a number of smaller structures used for growing on stock to supply the palace and the large conservatories. There are whole houses of *crotons*, *nepenthes*, *anthuriums*, ferns and at this time *geraniums*, *gloxinias*, *caladiums*, tuberous *begonias*, geraniums and others, with collections of choice varieties and specimens. Outside were quantities of *chrysanthemums* coming on in pots and a large collection of azaleas.

Near the palace were two long rows, probably 25 plants in a row, of very large and perfectly formed orange and lemon trees in huge tubs, they must have been from fifteen to twenty feet high. When in flower the perfume must seem royal indeed. K.

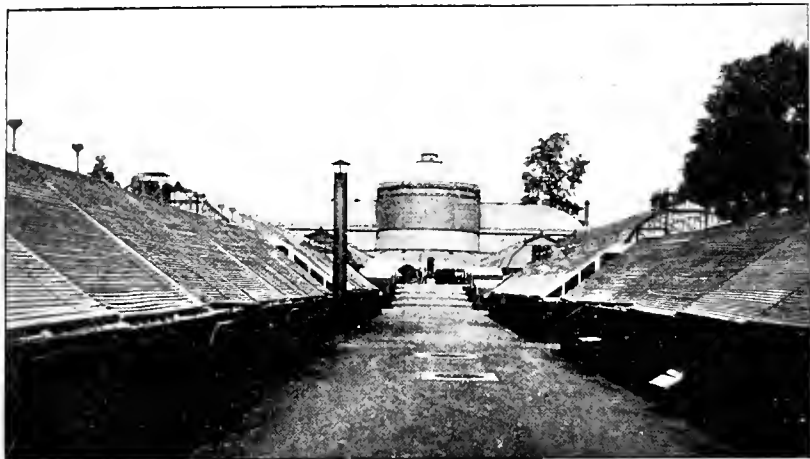
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#### Blue Flowers.

ED. AM. FLORIST:—In your convention number Mr. F. Schuyler Mathews in his explanation of the color chart says on page 30 that pure blue cannot be found in flora's world. Two flowers which I had always believed pure blue occurred to my mind and I tested both with the chart color. The first is a cut leaved morning glory with a hairy seed pod, a common weed here, which Wood's botany names *Ipomœa Nil*. Laid on the color patch, all neighboring patches covered, my eye at a distance of a few feet could not discern the line of separation between patch and corolla. The other is a *commelina*, a basket plant, with yellowish leaves and single rich "blue" flowers. Tested in the same way the petals showed a darker and more brilliant color, and may possibly have a tinge of red, but it bore no resemblance to any other color patch. Will Mr. Mathews kindly name the true color of these flowers?

C. H. DARLINGTON.

I have said that the true blue which is represented on the AMERICAN FLORIST color chart cannot be found in Flora's world. This statement is based upon personal experience, but as one's experience must be more or less limited it should be understood that there is always a possibility that one may not have met the "exception which makes the rule." My statement, therefore, should be taken on the ground that I am convinced that the rule of nature is, that true blue is a color *not* used by Flora in the painting of her flowers. *Ipomœa Nil* is a Tennessee weed which I have never met; but the other *ipomœas* certainly have no inclination toward true blue; I am therefore suspicious that the *I. Nil* will incline toward a reddish blue. There is only one flower which comes quite up to pure blue, in my estimation, but yet does not touch it. The flower is the forget-me-not. But Flora even here gives us a stingy bit of something nearly blue, and to make the matter still more pointed in her unwillingness she paints the newer blossoms with a pinkish tint! I have seven *Ipomœa purpureas* before me now; not one of them deserves the name blue, yet in common acceptance they are really blue flowers; as a matter of fact they range between Nos. 5 and 8 on the color chart. Two of the specimens are a little bluer than No. 5, but not one of them approaches in the remotest way No. 2 (pure blue). The *commelinas* and *Tradescantia Virginica* are violet blue, and even violet; the bluest Bachelor's button and wild cichorium are quite a little bluer. I would venture the statement that the *ipomœa* family is incapable of a color even 80 per cent blue; that would be bluer than the *Myosotis palustris*, which is greatly diluted with white! It is of no use to think of the gentian family, either; the flowers are not really blue. The gentians common in the Alps, *G. Alpina* and *G. verna*, particularly the latter, are certainly very blue; but it takes but an instant to prove that they are not *true* blue. Cobalt blue is pretty nearly true, but a flower as blue as cobalt is almost impossible to find. The *ipomœa* of Mr. Darlington might be nearly cobalt color, and if so the flower is blue inclined toward violet. On the whole I imagine that in comparing the color patch on the chart with the flower close scrutiny did not discover the reddish tinge of the blue in the flower! It is an easy matter to fail in the detection of red in blue. But at any rate Mr. Darlington's flower must be



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THROUGH AMERICAN EYES.

pretty blue, and I would like to have a specimen, that I might discover the percentage of blue in it. It is needless to say that after the analysis of over 154 different so-called blue flowers which proved to be miles away from true blue, I am convinced that Flora does not possess true blue on her palette! If this is a fact it does not seem strange, for blue is as volatile as alcohol; it fades in vegetable form marvellously quick; so whenever Flora employs blue *she alloys it with more or less red*. Her reds are true, many of them, and they are all strong and positive.

F. SCHUYLER MATHEWS.

#### Bermuda Lilies.

A subscriber says he has 100 Easter lilies potted and wants to know how he will manage so as to have a few come along in succession and hold the rest in check (presumably for Easter, W. S.). I know of no way to have a continual succession of these say from January to April unless you have houses of different temperature, houses running from 45° to 65° at night. If you have this convenience there is no difficulty at all about the matter. Still with only one house you can extend the season of flowering very considerably.

Supposing you potted them all a month ago or more when received and placed out of doors, they will have made as much progress out of doors as they would under glass and be better for it. A few could have been brought in a week or two ago, a few more at end of this month and so on. As the nights get cold those left in the frames will require protection by glass. The latter part of October and month of November they certainly won't make much growth in the frames and must be later than those brought into the houses now or sooner. With protection against hard freezing you could keep them in the frames till New Year's but it would be hardly desirable, as December 1, is about late enough to bring them in for Easter, and at that date they want a pretty brisk temperature to get them in by April 1.

It is acknowledged by all growers that lily bulbs are hurt by leaving them laying round out of the soil. They get soft and lose vitality, so don't attempt to bring them in at intervals by potting at different times. If you have only one temperature in house or houses then make a good solid cold frame and with double sash and protection on the sides you must be able to retard a portion as late as you wish.

W. S.

#### Glazing Without Putty.

A subscriber from Springfield, Mo., says he noticed in an article by me about putty, that I said I glazed without putty, and he would like to know the modus operandi. I thought that it was stated that the glass was butted. Of course that was what was meant. I use the cypress bar and cap, using no putty on any part of the house. The ends, ventilators and all can be glazed in this way. This plan has been often explained in your columns and I do not feel at liberty to occupy more of your space about it. Those who are prejudiced against it have most likely tried it under wrong conditions, perhaps bedding the glass in putty, which for butted glass is a great mistake, and perhaps not having the right sort of cap. It was very pleasant for us to hear only last week a very large grower from Bloomsburg, Pa., say: "Butted glass, why, sure, I would not think of using any other method."

W. S.



## Carnation Notes.

The stem rot has ruined very many stocks this season and has shown itself in the houses of some growers since planting. When this disease appears inside to any great extent it is best to throw out not only the plant affected but also the soil in close proximity to the plant as well as some of the adjoining plants; in my opinion it is best to throw out the whole bench of plants as this disease is the worst of any that attacks the carnation; it makes slow headway at first but when once established it is apt to go through the whole bench. McGowan has suffered the most of any sort coming under my notice, some growers losing several thousand plants. This disease comes from several causes, principally from the older sorts losing their vitality, also from improper watering, wet on top and dry below; this is worse than allowing the soil to get quite dry and then soaking.

Much care must now be used as cold nights are upon us, and when the ventilators are closed the plants should not be wet; do not syringe on dark days unless the mercury stands 60° outside, but at the same time do not let the soil become dry. You can wet the soil without moistening the foliage. We close our houses when mercury outside drops to 50°, this keeps the house about 55° and it is hard to keep the houses below 80° during bright days at this season, and I do not think there is any harm done, but look out, on dark days 60° is high mark.

Use plenty of tobacco stems. Keep surface of soil loose but do not scratch too deep or you will kill the feeders. Find a piece of board the size of your hand, driven full of nails projecting about one inch, makes an excellent scratcher.

CHARLES H. ALLEN.

## Carnation Supports—Correction.

On page 165 last paragraph on Carnation supports, in describing W. J. Palmer's method of tying, it reads "Three strings were used." It should read Then strings were used. The fact is when I saw the plants but one string encircled the plant. And I am sure for the whole season one more string would be sufficient.

W. S.



## Chrysanthemum Notes.

Having had several inquiries the past few days for description of crown and terminal buds will take this opportunity to define them. It is easy to distinguish these forms by remembering when growth is removed from the leaf axils the bud retained is a crown and when buds are re-

moved it is a terminal. We divide crowns into two classes. Those forming prior to September 10 are called early crowns, and those coming after that date we term late crowns. In selecting a crown remove the breaks or growths at each leaf. In rejecting a crown to secure a terminal rub out the bud and all but one of the breaks. This remaining break will continue its growth and finally set a cluster of buds at the top, remove all buds except the center one, which is generally the largest and best, and the bud retained is a terminal. An early crown removed August 20 is apt to be followed by another crown about September 10, but when the crowns do not form until the last days of August they are generally followed by terminals about September 15. Should the second crown be removed a terminal would follow and be ready to disbud in about ten days. Some varieties seldom make crowns when planted later than July 15. No time should be lost after September 15 in selecting late crowns or terminals if the blooms are to be ready for early November exhibitions, as they are easily stored a few days should they mature too early and will be in better condition for staging.

There is some difference in varieties in the time required for buds to expand and the flowers to fully develop. The Queen will mature in five to ten days less time than Vivand-Morel, and as a rule the greater the petalage the longer the time required. Early crowns are inclined to have long flower stems, generally very thick and stiff but deficient in foliage; and in the pink, red and bronze shades the flowers are much lighter in color with a greater tendency to reflex than where later buds are selected.

The variety John H. Taylor from early crown is reflexed, nearly white, being slightly suffused with pink; and from a terminal it is an incurved pink much the same as The Queen in size and form, with the exception of an occasional outer petal being long and tubular.

We take early crowns only from those varieties which form terminals too late to perfect flowers for the required date and in the early varieties where earliness increases their value.

ELMER D. SMITH.

## Miscellaneous Seasonable Hints.

The tulips, narcissus and hyacinths have been arriving the past few days, and are fine in appearance, and never before since the above have been forced in quantities have they been so low in price. At the price you pay for them you can the coming season afford to put a few in a cheap bunch of cut flowers, but that is no reason why they should be sold by the dozen at a ridiculously low price. They cost as much to grow as ever. The quantity grown this winter will be much less than in former years, yet they have become so familiar to our customers that you must grow some. Most large growers import and know what to grow. There are however, many who grow but a few thousand and buy from our seed houses. To these a brief list of what is most desirable may be of service.

In Dutch hyacinths you should grow for retailing in pots only good named varieties. It won't make much difference whether you give 6 cents or 3 cents for the bulb, but it will make an awful difference when in flower and you will possibly get 10 cents more for the pot with the fine spike, and it has cost you no more to grow than the cheap bulb. For outside beds a cheaper grade will do and they

need not be named. If they are in colors that's sufficient. The single hyacinths are much preferred for forcing. They give a larger spike. The miniature Dutch hyacinth is a useful flower, particularly toward spring and a dozen in an 8-inch pan sell well at Easter. The bulbs cost but little.

Of all the narcissus there is none such a favorite as the Von Sion, the Daffies. I used to grow several varieties and species of other narcissus but I never could make my customers buy them, beautiful as many of them are. Grow about half as many Von Sion as you do of all the tulips put together and you will be about right. The paper white narcissus is all right. It is very early. At Christmas when it easily forces it is profitable.

The Roman hyacinth has become an essential with every retail florist. There is nothing just like it.

In tulips it is not necessary to have a great variety and distinct colors sell much better than variegated or striped. For a scarlet buy Waterloo or Vermilion Brilliant. The latter is very fine and the brightest scarlet but costs considerably more. For yellow get Yellow Prince, for white La Reine, for pink Cottage Maid or Rose Grisdelin. The former is one of the finest of all tulips but still a little expensive. For a deep pink and a grand flower grow a few Proserpine. For a variegated showy flower red and yellow grow Kaiser Kroon; it has a fault, however, it quickly drops its petals. There are two double tulips well worth growing and both are favorites round Easter time. The one is Murillo, described in the lists as double pink, but it can be sold for either white or pink. The other one is Tournesol red and yellow. Everyone knows what a list of tulips there is spread before their gaze every fall and for those who have a desire for collections many of them are beautiful, but the list I have given will fill the bill for the moderate sized commercial man. When growing for cutting there is no better plan than the flats; let them be of uniform size and 3 inches of soil is plenty. As there has been a large increase in the sale of pot plants the past few years you should grow a good few in pans; they are altogether more attractive than pots; don't use larger than a 9-inch; above that they are unwieldy; 6, 7 and 8-inch you will find sell the best.

At Christmas you can have Roman hyacinths in pans, a few weeks later all the single tulips and the daffodils, and later on the double tulips and the miniature Dutch hyacinths. If you have to place the pans out doors before forcing be more careful to protect from frost than with the box or flats because much freezing would be liable to break the pans. With these and the Dutch hyacinths in single pots I prefer to place in a frame where on the approach of severe weather you can cover with glass and bank up round the edges with litter. The flats I always place in the open ground in beds. Have some old strips of boards under the flats, cover with three inches of soil and about December 1, with three or four inches of straw litter.

There are but a few points to be observed about forcing bulbs and as it has been carried on so extensively for the past 15 years or more most everybody is familiar with them. Briefly stated they are these: Box the bulbs, or pot them as the case may be, just as soon as you can get at it. If well rooted when brought in and the proper heat is given them they can't fail to be satisfactory, and the sooner they are in the soil the better they will be rooted when wanted. Never let





CIBOTIUM PRINCEPS AT LINDEN'S.

DECORATIVE EFFECT AT ENTRANCE TO LINDEN'S PLACE, BRUSSELS.  
THROUGH AMERICAN EYES.

them lay in the beds dry. A copious watering should be given when first planted and if October and November is very dry, two or three more good waterings will be necessary. Don't try to force them too early. There is little demand for tulips or hyacinths before the end of January, so bring in the single tulips, daffodils and hyacinths about New Years and some at intervals every week afterwards. The middle of February is early enough to bring in the double tulips. From January 1, to end of February a strong heat is essential to force them out. After the latter date an ordinary greenhouse temperature will do. The earliest forced need a shade of some material over them, cheese cloth I find cheap and good for the purpose. This is to produce a long stem. As the season advances no shade is required.

In conclusion don't prepare a rich compost for these bulbs as they do not need

it. Any old soil will do if it is on the light side. The Dutchman saturates his black sand with cow manure, not to produce a fine flower but to grow a strong bulb to produce us a fine flower and all we do is to force that flower out and when done throw the old bulb away.

Don't be afraid to crowd the bulbs in either pans or flats. It's a waste of room to plant thinly. Mr. Ernst Asmus told us in Chicago that you could plant the tulips in the flats touching and no doubt he was right, but it's rather the extreme. An 8-inch pan will hold one dozen of the single tulips; that's a very good guide.

WM. SCOTT.

#### Keeping Canna Roots.

Replying to the inquiry of H. C. Garrard, as to how to keep canna roots during winter would say, we lift our plants after they have been frozen down to within 12 to 15 inches of the ground. If

the weather is bright and warm they are left out of doors for 24 hours, then stored under the greenhouse benches, first laying down some old boards. We leave upon the clumps all the soil that naturally adheres to them. No water should be allowed to reach them as the soil on the clumps contains moisture enough to keep the roots from shriveling. We keep them in all sorts of temperatures, but find a carnation temperature the best. About February or March they should be overhauled and cleaned ready for potting up.

J. S. WILSON.

#### New York.

But little improvement is noted in the general cut flower trade. The only special demand has been on white roses which seem to have been in rather short supply and have been eagerly taken up accordingly. Meteors, Cusins and Bridesmaids have been entirely too plentiful and have found their final outlet through the Greeks at unspeakable prices. American Beauty has not yet attained first rate quality most of the blooms showing bad discoloration on the outside petals. Carnations, as a rule, are very small. A few growers are sending in good quality blooms from stock that was housed early. This is the case with Dailledouze Bros. who are sending to the Cut Flower Company some good blooms of the standard varieties and John Raynor is receiving Scotts from one of his consignors which are hard to beat at this season of the year. Wm. Saling is sending to Thos. Young Jr. Bouton d'Or which is superb and is remarkably free from any markings whatever, being almost pure yellow throughout. The prospects are that the supply of carnations will soon exceed by far that of any previous season. Lily of the valley is entirely too plentiful. Chrysanthemums have not been heard from as yet but growers and wholesalers are looking ahead to chrysanthemum time with much misgiving. The public fancy is a doubtful quantity and chrysanthemums, more than any other flower, have to stand or fall by this test.

Clifton has been heretofore the banner town for American Beauty and from present indications promises to maintain its preeminence indefinitely. Hitchings & Co. have just completed for George Young two new houses 19x150 each built especially with a view to the needs of the American Beauty rose. This gives Mr. Young seven houses devoted to American Beauty exclusively. The plants are in excellent condition. Speaking of the construction of American Beauty houses Mr. Young favors a single line of ventilation and while admitting the advantages of side ventilation during a brief period in midsummer looks upon this addition as not worth its cost. As to the special requirements of the Beauty he urges particularly the necessity of abundant light through and between the plants of a variety with such a tall and luxuriant growth and in proof points to the back row in an even span house where the inability to give sufficient light has furnished an abiding place for the black spot, of which not a trace is seen elsewhere. Evidently in the light of the experience of the most successful growers here short-span-to-the-south houses are ill-adapted to American Beauty growing. W. H. Young has also enlarged his borders and has added two houses 300 feet long to his already large establishment and here too American Beauty flourishes. The same conditions prevail at the houses of S. C. Nash, whose plants never looked more promising.

The greenhouses of J. D. Rockafellow at Pocantico Hills were destroyed by fire on the evening of September 14. They are supposed to have been purposely set on fire but the authors have not yet been traced. The loss on plants was quite heavy.

On the night of September 14 there was a heavy frost in many sections of New Jersey which killed tender plants and did much damage to flower gardens generally.

There is every prospect of a very fine canna show at the New York Florists' Club rooms on Monday evening September 23. Secretary Young reports many applications for space.

Thomas Holton of Morristown died on September 12, very suddenly. He was a very popular man and his death was a severe shock to his friends as he was apparently in robust health.

Alfred Dimmock arrived from England on September 14. Other recent visitors in town are Roderick Campbell, Utica, N. Y., Robert Simpson, Cromwell, Conn., and H. H. Battles, Philadelphia.

#### Boston.

More or less dissatisfaction is expressed in the different departments of the cut flower trade as to the amount of business being done. A review of the same period in former years, however, will undoubtedly show the same conditions prevailing. It requires a taste of cold weather and one or two severe frosts to cut off the outdoor product and to make buyers hungry for the indoor article. There have been fewer changes probably in the way of improvements or additions in and about this market this season than in any other large center. This is not to be attributed to lack of enterprise but to a conviction that the market is supplied with all the florists and all the flowers it needs and that further investments at the present time would be unremunerative. If this idea could be thoroughly disseminated in some other sections of the country it would do no harm. Warren Ewell, who grows large quantities of bulb stock in winter and bedding plants in spring, is the only grower, not heretofore mentioned, making considerable improvement in his establishment. No one will envy Warren his evident prosperity and that he may sell enough bulb pans the coming winter to necessitate the building of another acre or two of glass is a sentiment that would be carried without a dissenting voice.

Most of the vacationists are home again and ready for business when it comes. N. F. McCarthy, who enjoyed the distinction of being the only member of the craft in this neighborhood who could muster up the happy combination of courage and funds to cross the Atlantic this season, has returned much benefited by his trip and well satisfied with what he accomplished in a business way. He is well primed also with experiences of European life and customs, which will be in due time recounted to his friends in Nick's own inimitable manner.

Ed. Hatch will sell for W. K. Harris on Wednesday, October 2, a fine lot of palms and decorative plants. On the preceding evening will be the opening meeting for the season of the Gardeners' and Florists' Club and the presence of the renowned gentleman from Philadelphia will, no doubt, have a favorable effect on the attendance and interest in this occasion.

On Saturday, September 14, Oakes Ames received honorable mention for *Nelumbium album grandiflorum* exhibited at Horticultural Hall. The competition

for the premiums for hardy herbaceous flowers was confined to N. T. Kidder and J. W. Manning and the prizes were awarded in the order named.

#### Chicago.

The scorching heat of the past week has not been conducive to an improved quality of stock. This is especially true of roses, which have suffered severely. The supply is increasing daily, but a large percentage of the receipts is unsalable, as the stock is small and flabby. Meteor and Kaiserin are the exception, as these two sorts seem little affected by the heat. Trade of course, as might be expected under such weather conditions is extremely quiet, at least in local circles. The shipping demand has been unusually active for this season of the year, but this demand is spasmodic as yet, and cannot be relied upon to relieve the market to a very large extent.

Although the market quotations are practically the same as last week, prices are unsettled, and the larger portion of the stock is sold at very low figures.

Unless this unusual hot spell so late in the season should prove injurious to the growing stock, the outlook for the coming season is very promising. The stand of roses is universally good, and in a number of establishments far ahead of last season. Beauties are looking very fine, but some of the growers have been bothered more or less with thrip. Perles, unless all signs fail, will not be so plenty in the market this year. A number of prominent growers have discontinued growing this variety. There will certainly be no scarcity of Bridesmaid and Brides; both of these sorts are grown in enormous quantities and are doing finely. La France and Wootton are almost a thing of the past, although by the way Poehlmann Bros. have a house of the latter which at present is the best lot we ever saw in this locality.

About two-thirds of the carnations are already housed. The plants are uniformly fine and so far at least entirely free from rust or blight. Quite a number of the flowers sent into market are cut from stock benched some time ago. Of these, Mailander of Niles Center has half a dozen houses of McGowans coming into bloom which are really good. Daybreak cut at this establishment is also good. Lizzie Gilbert has made fine growth in the field and promises good results. There is a promise at last of some good yellows. Fred Stielow's house of Buttercup looks well. Bouton d'Or and Dean Hole have made equally fine growth, although of the latter sort but very few are grown yet. Of this variety we noted a few blooms at John Ure's place which in size and form were equal to a good Buttercup, and that is saying a good deal.

The excursion of the Florist Club to the drainage canal has been postponed to Saturday, September 28. The train will leave Dearborn Station, foot of Dearborn street, at 1:30 p. m. Members are requested to meet at the depot at 1 p. m. Special cars will be provided and one of the drainage canal engineers will accompany the party to explain the points of special interest about the great work. The fare is 75 cents for the round trip. Many members will be accompanied by their families. The train will reach the city at 5:30 p. m. on the return trip.

P. S. Peterson, the nurseryman, has secured a substantial rebate on his assessment through the application of his attorney. He had been assessed \$10,000 on nursery stock, of which he claimed to

have only seventy-five acres, which would make the rate \$133 an acre, whereas \$50 is the regular rate on nursery stock in that part of the country. Assessor Calkins claimed that Peterson had a much larger acreage and that his stock was worth \$200,000, so that he had only valued it, for purposes of taxation, at 5 per cent of its real value. The committee, however, thought Mr. Peterson was entitled to relief and gave it to him by recommending a reduction of his assessment to \$3,750.

Harry A. Stollery of Argyle Park, was married on September 11 to Miss Martha P. Mooney of Summit, New Jersey.

#### Toronto.

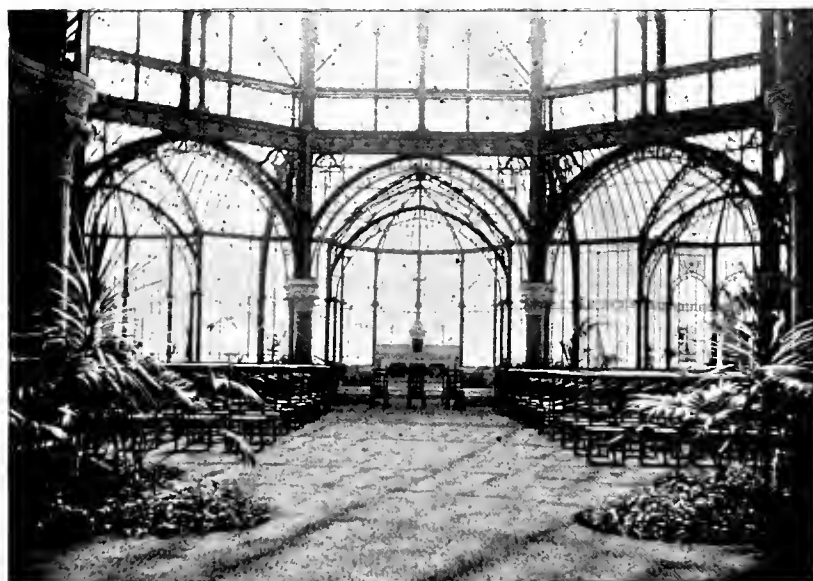
Some of the best specimen stove and greenhouse plants at the Industrial Exhibition were of the following sorts: *Dracaena Lindenii*, *D. Neo-Caledonica* (a fine sort), *Aralia Chabrieri*, *Alocasia Lowii*, *A. macrorrhiza* var., *Pandanus utilis*, *P. Veitchii*, *Cycas circinalis*, *C. revoluta*, *Cissus discolor*, *Ficus Parcellii*, *F. elastica* var., *Areca Verschaffeltii*, *Kentia Canterburyana* (a beauty), *dieffenbachias*, *crotons*, *Woodwardia radicans*, *Neottopteris nidus avis* (a perfect specimen). Many of the plants were not labelled, and I think this is a matter that should be better attended to another year all through the show; the public should have every opportunity of learning the names, especially the botanical names.

The cut flower exhibit opened on the Tuesday of the last week of the show; it was certainly a decided improvement on last year, but things were altogether too much jammed up together to show off to advantage. The Gardeners' and Florists' Association ought to lose no time in impressing upon the management the urgent necessity of a new and suitable horticultural hall; the present one is quite out of date and is too dark, clumsy, small and unsuitable for the purpose. The most attractive exhibits in the cut flower line were of course the roses, carnations, floral designs and bouquets. The designs were all very fine; the judging of them really only seemed to be a matter of taste and probably five out of six would have judged them differently. The judgments on the bouquets were somewhat of a mystery to most of the boys, in one instance the prize being given to a loose bouquet of roses, in another to a rather old fashioned tight one, but nobody doubts but that Mr. Flowerday had good reasons for judging as he did and acted with the utmost fairness. Roses and carnations were of course not so good as we see them at the chrysanthemum show, but they were very good for the time of year. Dahlias were excellent and in great variety, a few single varieties were also shown; why are not more of these grown? they are much prettier and more useful than the double ones. Cannas also were good, Mr. Gilchrist had a large vase of his new self yellow, "Old Gold" I believe he calls it. As the color of *Alphonse Bouvier* is to Mme. Crozy so is *Old Gold* to Florence Vaughan; it is a very deep, full and effective yellow; I have seen nothing of the sort anywhere else and I hope it will soon be in commerce. There was an immense exhibit of *gladiolus*, all the latest novelties being shown in good form. The sweet pea exhibit was most charming, many of them being shown loose with plenty of their own green, by far the prettiest way. Is not Countess of Radnor one of the softest and most beautiful colors in sweet peas grown?





NURSERY SURROUNDED BY HOUSES.

THE ROYAL CHAPEL AT THE KING'S GARDEN, LAEKEN BRUSSELS.  
THROUGH AMERICAN EYES.

The crowd at the exhibition this year has beaten the record in spite of unfavorable weather several days; if it keeps up the pace it will in a few years reach World's Fair dimensions. Visitors from the country across the line were very numerous. The president of the S. A. F. came over to receive congratulations from his many Toronto friends. Mr. Belsey, also of Buffalo, and Mr. Butler of Niagara Falls, N. Y., Mr. R. Flowerday, Detroit (judge of cut flowers), were also seen. Among the many Canadians in the trade present were Messrs. Bacon of Orillia, Foster of Hamilton, James of Agricultural College, Guelph, and Callory of Niagara.

Parks and gardens are still looking very gay, flower beds have kept better and longer this year than I remember them to have done before; when coleus grow and keep their color everything else grows well. We have had a few pretty cool nights, but it has turned mild and moist again now.

E.

## St. Louis.

Trade in cut flower line the past week was up and down; one day the florists would be busy, the next nothing at all to do. The weather had a good deal to do with it, three days of last week being very hot. Good stock is very scarce; prices remain about the same as last week.

The sixth annual Shaw banquet Saturday night at the University Club was well attended. The rooms and tables were decorated by the Cannon Floral Co., and were much admired.

After the elaborate menu had been disposed of Prof. Trelease introduced Mr. J. C. Whitten of the State University as toastmaster of the evening, who, after a few remarks, called upon Mr. Jonathan Periam, who responded with an interesting discourse on the growing of fruit trees. Mr. L. A. Goodman of the Mo. State Hort. Society followed with an address on shade trees. Mr. D. I. Bushnell spoke on melons, and in the course of his

remarks stated that Montreal grew the largest and best melons in the United States, which geographical contradiction was greeted with applause and merriment. Mr. H. C. Irish of the Mo. Botanical Garden then gave a lengthy talk on the growing of vegetables. Mr. A. A. Kleinschmidt's subject was "Our hobby," and his address was well received. Mr. J. G. Smith gave an interesting talk about the different kinds of grasses, and this concluded the program.

The meeting of the Florists' Club on Thursday night was well attended, and President Fillmore was much pleased to see so many present at the first meeting of the new term. Mr. F. W. Ude Jr. was elected a member of the club. The motion changing the meeting time from night to afternoon was read for the third time and adopted. The next meeting of the club will therefore be held Thursday afternoon, October 10, at 3 p. m., in the Odd Fellows' Building, same room as before. Mr. E. H. Michel and F. C. Weber were called upon for a few remarks about the recent convention. The committee on 'mum exhibition reported everything in good running order.

Mr. E. H. Michel has opened his wholesale commission house at 1620 Olive street. He will handle everything pertaining to the florist business.

Mr. S. Smith of W. W. Barnard & Co., Chicago, was a recent visitor.

At the Bowling Club Monday night 12 members rolled. The teams were changed. C. Beyer is captain of the Japs, and J. J. Bereke captain of the Chinese. The Japs knocked the Chinese out in 3 well played games by a score of 3104 for the Japs and 2888 for the Chinese, but the Chinese will turn the tables on the Japs next Monday night. Here are the scores of the last 3 games played.

JAPS.				
	1	2	3	TOTAL
C. Beyer . . . . .	161	188	167	516
Mr. Kunz . . . . .	200	171	166	537
E. Schray . . . . .	190	211	178	579
F. C. Weber . . . . .	181	111	162	455
C. C. Sanders . . . . .	161	150	189	500
A. Waldbart . . . . .	179	173	165	517
Totals . . . . .	1072	1004	1028	3104
CHINESE.				
	1	2	3	TOTAL
J. J. Beneke . . . . .	157	182	135	474
J. Young . . . . .	142	152	126	420
C. A. Kuehn . . . . .	195	181	206	582
H. Young . . . . .	166	170	171	507
F. Fillmore . . . . .	113	131	127	371
Tom Peterson . . . . .	158	189	187	534
Totals . . . . .	931	1005	952	2888

J. J. B.

## Buffalo.

The chief business of the past week or two has been store openings, which has been done to a larger extent than usual and the end is not yet.

Very few useful flowers can be called plentiful now except asters, and of those there is none too many. Every one has thrown out his old carnations and several have planted, and as usual when the crop is off the demand is great or appears to be. Roses are showing a slight improvement in quality. This is a treacherous climate. Four days ago the heat was enough for the mouth of the Amazon river; yesterday morning (Sunday) the thermometer went down to 32° and coleus and other tender plants are nipped.

At last we have an outside business gone into flowers. It's a fashionable and enterprising cloak store on the Main street, and from the look of the counter devoted to flowers it looks as if they meant to stay. I don't know that the florists have reason to grumble any more than some other lines of business, for this same firm has opened a department of fancy hair dressing, chiropodists, mani-

cure treatment, etc., all as much removed from cloaks as flowers are.

Last week we had a visit from Mr. and Mrs. Wm. Swayne of Kennett Square, and Mr. and Mrs. John Dillon of Bloomsburg. They met accidentally on their route to the Falls. Some of the florists did not let them escape from the city before they had driven them through Forest Lawn, a portion of the park system and a few of the principal resident streets. To say they were pleased with what they saw is I believe putting it mildly, for I really think they were delighted with our well paved city.

Early in October we expect seven shooters from Philadelphia to arrive here and make monkeys of us on our own grounds. This early I say we are no match for them, but we will try hard to force them to their very best gait and the pleasure of their company will easily compensate for a defeat. W. S.

#### Philadelphia.

Every one in our line appears to be in good trim for the present season's business and is anxiously awaiting for the game to commence. It seems to be generally conceded that the plant and cut flower trade of the season of '95-'96 will be of greater volume than the two past seasons. With this feeling permeating the trade it seems that a healthy condition of affairs is near at hand. The growers say the supply will be all right, all that is needed is for the retailers to hustle and they (the growers) will do the rest.

At last the fine collection of plants which adorned the conservatories at the Baldwin mansion on Chestnut street has been sold. The buyer of this exceptionally fine collection is W. Albert Manda, South Orange, N. J. In his purchase Mr. Manda has secured the finest collection of its size in this country. So highly prized was this lot of plants that over a dozen bidders were in the field for it. With the disappearance of this adornment Philadelphia loses a valuable and popular acquisition.

Holmes & MacKubbin is the firm name of a new seed house which will open in Harrisburg, Pa., on October 1. Messrs. Holmes and MacKubbin were for many years in the employ of W. Atlee Burpee & Co., having spent the most of their lives in the seed business with the Burpee house, thus to say they are well fitted for their new venture is needless. Success and well wishes is the sentiment of their many friends in this city.

Mr. W. Atlee Burpee's trip abroad was of decided benefit, his health is much improved and now he feels extra good, especially while on the subject of the sweet pea "Cupid."

It is with great pleasure that we are able to state that your regular Philadelphia correspondent, Mr. Robert Kift, has returned to "the land of the free and the home of the brave" after a delightful summer's outing in Europe. It is the custom for returned European tourists on their arrival home to hie themselves off to a quiet suburb and rest up a bit. Not so with Robert, he reached home on Monday, 16th inst., Tuesday, 17th inst., we find him behind the counter wiring up stuff and completing a floral ship. Evidently it is hard to shake off that nautical training which he gained aboardship. As far as health is concerned Bob is in the pink of condition. Doubtless the readers of the FLORIST will appreciate the contributions in its columns under the heading "Through American Eyes." Mr. K.

is a versatile writer and the tricklings from his pen are both entertaining and instructive. We are advised at this writing, 18th inst., that the popular Robert Craig and John May will be with us to-day or to-morrow.

There is to be a welcome home tendered to Messrs. Craig, Kift and May. This event takes place at Dooner's Hotel on the evening of the 21st inst. The assembly will be larger than on the occasion of the farewell dinner to these gentlemen; this is owing to more time for arrangement of the affair. This dinner will doubtless be a corker, and the way the eagle will scream will have to be listened to to be appreciated. It must be nice to come home from Europe!

The regular monthly meeting of the Penna. Horticultural Society was held on the 17th inst. There was a creditable display of vegetables on exhibition. The contest in this class was for the Dreer premiums, offer by H. A. Dreer, Inc. The display was not large, but the objects shown were of the highest order, and were decidedly an attractive feature of the meeting.

Mr. John Jensen, formerly in the employ of Hugh Graham, has opened up in the cut flower trade on Lancaster avenue above Thirty-eighth street.

D. D. L. FARSON.

#### Pittsburg.

There is not much change to report in trade since last week, although all report a slight improvement; the hot weather affected sales to some extent. E. C. Ludwig had a very fine decorative wedding at Sewickly last week. He decorated St. Stephen's Church with palms and white lilies, no other flowers used, and the bride's residence with asters, white and pink only; the effect was very fine, reflecting great credit on the designer.

A. W. Smith has about finished some improvements at his place on Mt. Washington. He has erected five new houses, in all about 6,000 feet of glass, and has everything in good trim for fall and winter business. With his two places of business, one in Allegheny Market and the other in Pittsburg, he is in good condition to help boom the flower trade.

The old firm of John R. & A. Murdoch (the oldest here I believe) will go out of business the first of next month. Their greenhouses were purchased some time ago by Messrs. Randolph & McClements, and now Mr. James Dell, who has been in the employ of Messrs. Murdoch for many years, has rented their stand, and will start in the business for himself on October 1. His many friends, both here and elsewhere, wish him every success.

P. S. Randolph has gone to the wilds of West Virginia for two weeks' hunting, and his friends expect if the squirrels do not "roost too high" that he will break the record as a successful hunter.

REGIA.

#### Baltimore.

One of the most extraordinary downpours of rain seen here in a long time took place September 6. Bursted sewers, flooded cellars, and more or less damage generally were the results in town, but out where the florists thrive in the suburbs, nothing but good seems to have been reported.

Mr. Fred Burger is expected home from his European trip shortly, and the boys are talking of getting up a suitable welcome for him.

Having heard of a house being erected

for asparagus growing out the Frederick road, something out of the ordinary, a trip was taken to Messrs. Sam'l Feast & Sons to see it. Being the first of its kind hereabouts, it will undoubtedly attract a good deal of attention. In height it is twenty feet clear, and as the roof is hipped, there will be no trouble in averaging eighteen foot strings for the greater part of the house, while even around the edges, eight to ten foot strings will be a possibility. The house is thirty-eight feet wide.

A walk through the rest of the place showed a surprisingly large lot of seedling ferns, principally adiantums and pteris in variety and in every stage of growth from the seed pans up to 3-inch pots, by thousands. In the rose houses Belle Siebrecht was showing up in fine shape, and so in fact were all the other roses, even the giant Marechal Niel in the old Niel house. The palm house is the counterpart of the new asparagus house, with a heated shed on the north of it in which the large wagon can be loaded and unloaded. Mr. Wm. Ekas, the manager, deserves great praise for the thriving appearance of the entire stock indoors and out. A drive back to the city store, with Mr. Wm. Feast, showed improvements in progress there too, the entire interior is being colored what might be called a grey-blue, and an immense plate glass front refrigerator is being erected along the south side of the store. MACK.

#### Cincinnati.

Trade in this city is gradually on the increase, and our store men all feel pleased with the outlook. Flowers, especially white, are very scarce, owing to the dry weather, and only tuberose and balsams and a few asters are available at this writing. Roses are coming in more freely, but are not strictly first-class. The best bring 3 and 4, but many sell for much less. Carnations are improving some, and the best sell for 75 cents per 100. They are being housed as rapidly as possible. The new varieties have made a splendid growth, while all are looking better than we anticipated earlier in the season.

There has been an unusually large number of weddings this month, and as there are quite a number of store openings just now, palms and decorative stock are in good demand.

Mrs. John Fries of the firm Fries & Son, has retired from business, selling out his interest to Mr. Frank Snider, formerly with Mr. Bolia. The business will be continued under the name of Fries & Snider. Mr. Fries has been in the florist business for the past 30 years.

The friends of Mr. Johnson of Johnson & Ruttle, will be glad to hear he is out again attending to business after a long spell of sickness. P.

#### Washington.

The new variegated Abutilon Souvenir de Bonn has proved a valuable acquisition to our stock of bedding plants. It has been given a fair test, both in the public parks and at the Botanic Garden during the present season, and has stood the sun well, holding its variegation, seldom producing a green shoot. It is a strong rapid grower, will stand pinching and can easily be kept within bounds. A line around one of the beds in the Botanic Garden having a background of the new Strobilanthus Dyerianus make the contrast between the two so great that both are shown to their best advantage. S. Dyerianus is also a splendid bedding

plant, being a strong grower, and would soon shoot up over the ordinary bedding plants if allowed to have its own way, but fortunately it too will stand pinching, and in fact looks better when kept well cut back, for it is then that its brightest colors are shown.

Fancy caladiums have done remarkably well hedged out this season in the Botanic Garden. They were planted in the ficus bed and of course are partially shaded. They were planted in the bed about the first of June from 4-inch pots and have been freely watered. Most of the varieties have retained their brilliant colors, have made a vigorous growth, and at the present time are in fine condition, while those kept in the main conservatory in large pots have begun to fade.

Trade continues dull. Flowers have been moderately plentiful and of fair quality, notwithstanding the long dry and hot season. Roses are fair for the season and reasonably plentiful. Carnations are plentiful and fairly good. Gladiolus are plentiful and very good, though the most of the varieties grown are poor. Pond lilies are very plentiful, but there is very little demand for them, they have sold very slow all season. There has been no sale for the finer varieties of nymphaea this season; the florists simply have them in their windows for show.

Swainsona is plentiful and very fine. It is growing in popularity. All the florists are loud in its praise, saying it is an excellent thing and they can't do without it.

REYNOLDS.

## St. Paul.

Trade has shown a slight improvement this week, owing to several weddings and a more general demand for flowers of every description.

The cut is improving daily both in quantity and quality. There is an increased demand for funeral flowers, and white roses and carnations are quite scarce in consequence. The shipping trade has commenced earlier than usual, the country demand being better than for some time past.

The premiums at the State Fair were carried off by Fleischer & Son of this city and Mendenhall, Nagel and Vasatka of Minneapolis, the display being somewhat better than in previous years.

J. H. Roach of Cambridge, N. Y., and S. B. Dicks of London, Eng., were callers during the week.

The executive committee having failed to appoint the annual meeting of the Society of Minnesota Florists, the same was not held as announced. We trust the boys will get together again and continue the meetings, as they are beneficial in many ways.

FELIX.

## Cleveland.

Business continues very quiet here on the whole. At times it takes a little spurt which leads one to suppose that things are about to brighten for the winter; then the little rush dies out and everything drops back to the midsummer level. The growers, on the contrary, are decidedly busy these times getting in their stock. A visit to numerous establishments within the last week found everybody hard at it bringing in stock. Carnations at most places look well notwithstanding the unfavorable weather of midsummer. The plants are not quite so large on the average as in previous years, but they seem healthy and strong and much to be preferred to the rank, weedy, overgrown stuff that one so often sees.

Williams & Wilson have completed their gas well and have drilled a second one. Both ventures were very successful as wells go about here. We are not in the gas belt and a well that will show from fifty to a hundred pounds is considered an extremely good one. These two come up to this mark and give promise of being of permanent value.

H. A. Bunyard & Co's greenhouses were visited among others. The establishment shows a vast improvement under the new management, the roses particularly showing to advantage.

An article from the pen of the Baltimore correspondent two weeks ago, speaks among other matters, of the genial crape-puller and his endearing ways. The correspondent seems to have struck a phenomenon—a man who belongs to the tribe and who was not ashamed of it. To follow the argument to its legitimate conclusion, would lead to the opinion that there would be nothing disgusting or even reprehensible in the spectacle of a bevy of undertakers quarrelling in a house of mourning, because such a course would be "business" pure and simple.

A.

LOWELL, MASS.—The flower store connected with the establishment of E. Shepard & Sons has been purchased by Mr. Dudley Hartford of Bedford. Mr. Hartford has been well and favorably known throughout this state for years past as a dealer in ferns, mosses and green.

CLINTON, MASS.—The third annual exhibition of the Clinton Amateur Horticultural Society was held at Bigelow Hall on the afternoon and evening of September 7. The exhibits and arrangements were very creditable, the show being the best ever held by the society. The judges were E. O. Orpet, Jos. T. Clark and Chas. T. Fletcher, all of Lancaster.

## SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—In large store by a young man as cut flower artist.  
H. C. D., care American Florist.

**SITUATION WANTED**—By competent florist and gardener; single, good all-round man. Address: K. W., 349 Luckie St., Atlanta, Ga.

**SITUATION WANTED**—By commercial greenhouse man, 10 years' experience; single; good references. FRANCIS, 155 Harrison Ave., Boston, Mass.

**SITUATION WANTED**—By a good gardener and florist; married; life experience. Best of references. E. K. SMITH, 409 Lee Ave., Chicago.

**SITUATION WANTED**—By gardener and coachman. Speaks perfect English and German. Single man. C. SCHULZE, 111 President St., Brooklyn, N. Y.

**SITUATION WANTED**—By a first-class grower of roses, carnations, chrysanthemums, palms, orchids, etc.; married, one child. Address: H. W., care American Florist.

**SITUATION WANTED**—By a young man skilled in the growing of roses, carnations and general stock; sober and reliable; good references. Address: RELIABLE, care American Florist.

**SITUATION WANTED**—In commercial place; experience of 15 years in U. S., England and continent; energetic, reliable. Address: J. MACFARLANE, Staatsburgh, N. Y.

**SITUATION WANTED**—As foreman or manager by a successful rose grower and general plantsman; 20 years' experience, married, sober and reliable; good references. Address: GROWER, care Am. Florist.

**SITUATION WANTED**—As gardener; experienced in grapes, greenhouses, pleurose and vegetable garden; English, married, age 38, abstainer. Apply C. W. 30, care J. C. Vaughan, 84 Randolph St., Chicago.

**SITUATION WANTED**—In or near Chicago by man age 23, single; 7 years' experience in England, 2 years in this country, with palms, ferns and general stock. Good references. Address: W. P. W., care American Florist.

**SITUATION WANTED**—By German florist, 14 years' experience in roses, carnations, violets, mums, palms and general stock; good desk and cut flower worker; strictly sober and honest; commercial or private place. A. B., care American Florist.

**SITUATION WANTED**—By experienced florist in general greenhouse stock, designs, growing, etc.; good knowledge of the business in general; American, European experience; young, single; references; state wages. Address: PRACTICAL, care Am. Florist.

**SITUATION WANTED**—By a young man, age 22, married; 5 years' experience in rose and general growing. Temperate, clean, and a steady man for a steady job. Prefer Mississippi valley. Best references. Address: WM. H. COLLINS, Oskaloosa, Ia.

**SITUATION WANTED**—By thoroughly capable, reliable, energetic, all round gardener and florist; single; change of private or commercial place. Good arranger of flowers. Would not object to run place on shares. First-class references. Address: HARRY, care American Florist.

**SITUATION WANTED**—As foreman or manager; 25 years' experience in Europe and America in cultivation of roses, carnations, mums, palms, decorative and all kinds of plants; commercial or good private place; married, age 40 years, 8 years in last place; reference. Address: GEO. NORTON, Box 547, Fairport, N. Y.

**WANTED**—Bermuda Easter lilies (Harrish), at once. MRS. ANNA HEACOCK, Parsons, Kan.

**WANTED**—Agents to sell Child's Rainmaker nozzle. M. M. JONES, Gen'l Agent, 6122 Oglesby Ave., Chicago.

**WANTED**—To exchange fine lot of Puritan, Portland and McGowan for Scott and Daybreak. BENJ. J. PASSMORE, Swarthmore, Pa.

**WANTED**—Greenhouse assistant; young man preferred; state experience and wages, including board. GEO. S. BELDING, Middletown, N. Y.

**WANTED**—Figures on a small hot water boiler and 2 or 4-inch pipes, to heat 1400 square ft. of glass. Address: JOS. REINLE, Box 571, Blue Is and, Ill.

**WANTED**—An experienced florist that can grow mums, etc., in a commercial place; married, small family. Address: VIOLETS, care Am. Florist.

**WANTED**—A young man with some experience, and willing to learn, as second in a wholesale cut flower growing establishment. State wages with board. Address: ROSES, care American Florist.

**WANTED**—An experienced florist for roses, carnations, mums and violets for cut flower business. Must be sober and energetic worker; single. State price per month with board, and give good references. H. P. SMITH, Plaqu, Ohio.

**WANTED**—To buy a retail florist establishment, 3000 to 5000 feet of glass, in a good, live, middle sized town; heated by hot water. Must be good location. A first-class business preferred. State reasons for selling. Give full particulars about place and town. Address: CLEMENT FLORIST, 531 N. Main St., Bloomington, Ill.

**FOR SALE CHEAP**—3 No. 6 large Weathered boilers, double dome, all latest improvements, only used 3 months. R. I. GREENHOUSES, Pawtucket, R. I.

**FOR SALE**—Greenhouse with stock; 2000 square feet of glass, good location, good market, city 20,000 inhabitants. Reason, other business. THEO. NOEHL, Green Bay, Wis.

**FOR SALE**—Florist business, 5 houses, 8,000 square feet of glass, fine stock, good location, good market, city 20,000 inhabitants; good reason for selling. REINECKE & WENDORF, Green Bay, Wis.

**FOR SALE**—A Bonanza for someone with a cash capital of \$1,500. A man can go into an old established business, either by buying or leasing, on easy terms; the object in disposing of same is ill health. For full particulars address: MRS. GEO. R. FRAVELL, Marion, Ind.

**FOR SALE**—In a good railroad center, 35 miles from Boston; one of the best paying establishments in New England; will pay for itself in two years; consisting of four greenhouses, 58x11, used for violets, one 100x14 used for a mixed variety; about 100 hotbed sash, all well stocked; 1½ acre of land; a good office and plenty of workrooms. \$2,500; \$1,500 down, the rest on easy terms. FELCH BROS., Ayer, Mass.

**FOR SALE**—A choice property in Creston, Iowa, consisting of 2½ acres of land, good 10-room house heated by steam, good barn, fruit trees, and two greenhouses—only greenhouse within 50 miles. A fine location for a good florist. Must be sold by Nov. 1, 1895. For particulars and price, write to: CRESTON LOAN AND TRUST COMPANY, Creston, Iowa.

**FOR SALE**—A rare chance! A plant of 3,000 square feet of glass in first-class order, heated by hot water and fuel; fine dwelling of five rooms, wood and coal sheds, barn, cisterns and well; about two acres of well improved land. Business well established in this city and surrounding towns. Located at Fort Madison, Ia., Iowa, with population of about 10,000. Two blocks from electric car. Shipping facility A No. 1. Fuel cheap. No better paying business for amount of capital invested in the United States. Address for full details and information: H. W. HOFMEISTER, Box 185, Fort Madison, Lee Co., Iowa.

## Surplus Stock. Water Hyacinths.

Until October 10th we will fill orders at \$5.00 per 1000 l. o. b. Now is the chance to replenish your stock.

GEO. B. MOULDER, Lily Park, Smith's Grove, Ky.

## 10,000 STRONG AND HEALTHY SMILAX PLANTS,

out of 2½-inch pots. Cheap. Address: FRED. SCHNEIDER, 751 Crawford St., Cleveland, O.

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Mr. Henry Graham has made extensive alterations about his place, having removed and substantially rebuilt all his houses. His present plant is a decided improvement on the average commercial place, being built in the best possible style, both as to convenience and durability, and equipped with all the modern appliances. Mr. Graham's plant consists of five houses, of which two are 18x100, two 10x100 and one 20x100. He has also built a fine boiler room 17x40 and a potting shed 17x82. The floors throughout are being cemented and the walls facing both streets are tinned, a brick tin being used for the purpose, thus giving the place a neat and attractive appearance. Mr. Graham has just returned from a pleasure trip to Philadelphia and Atlantic City, having been away two weeks.

Mrs. John G. Heinel, accompanied by her son, Mr. Fred Heinel and a party of friends is traversing the east. When last heard from the party was in New York.

Mr. and Mrs. Lawrence Heinel, who were on a visit to Louisville, Ky., during the recent G. A. R. convention, have concluded to extend their trip and have left for Chattanooga, Tenn., intending to visit many southern points. They will be gone until the 1st of October. X.

## Greenhouse Building.

Worcester, Mass., M. J. Whittall, conservatory 21x80.

New York City, Daniel Clark & Sons, one commercial house.

Marlboro, N. H., Jas. Thatcher, one commercial house.

Holyoke, Mass., E. H. Howland, one palm house.

Greens Farms, Conn., E. J. Taylor, three commercial houses.

Malden, Mass., J. J. McCormick, one commercial house.

Canandaigua, N. Y., A. C. Cappon, one violet house.

## CARNATIONS

Extra large field grown Carnations of the following varieties: Per 100  
L. MCGOWAN \$5.00  
SCOTT, DAYBREAK, STUART 6.00  
Stock fine and healthy.

## PANSIES.

The Jennings strain of finest American grown Pansies. Finest mixed colors, for winter blooming, \$5.00 per 100.  
SEED of above strain, \$1 per pkt. of 2500 seeds.  
Cash with order. E. B. JENNINGS,  
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CARNATION AND PANSY GROWER.

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WHOLESALE FLORISTS,  
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First size.....\$5.00 per 100  
Second size.....\$3.00 per 100

NATHAN SMITH & SON,  
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When writing mention the American Florist.

## VIOLET PLANTS FOR SALE.

A few thousand more large clumps from open field. Original stock Campbell; never been diseased. First size \$15.00 per 100; second size \$10.00 per 100.  
H. HUEBNER, Croton, Mass.

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

## ONE THOUSAND CAR LOTS of OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us. We can do you good.

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IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns furnished the year round. Special attention given to supplying the Wholesale Trade.

BOUQUET GREEN. For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.

SPHAGNUM MOSS a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

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Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

FIELD GROWN CARNATIONS, fine plants, reasonable prices.

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The Best from many Growers, not the selection of one grower only.

## "International,"

the best mixture. Trade pkt. 50c; 1/4 oz. \$1.50; oz. \$10.00.

## "Giant" Mixed,

a very popular Florist's strain. Trade pkt. 50c; 1/4 oz. \$1.50; oz. \$5.00.

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## PANSY SEED. New Crop just arrived.

GIANT PRIZE PANSY, most brilliant mixture ever sold, containing the finest varieties in splendid colors and excellent size. Highly appreciated by all who have tried it.

1-4 oz. \$1.50. 1 oz. \$5.00.

FLORIST'S MIXTURE A No. 1, very fine mixture of large flowering varieties and choice colors, especially selected for florists' use.

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Our Pansy Seeds have been personally examined in Germany. Write for pamphlet about "LYSOL" the Ideal Insecticide.

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STRONG PLANTS, ready now, \$2.50 per 500; \$4.00 per 1000. Discount on large orders. Free on board express here.

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PLANTS at 75c. per 100; \$5.00 per 1000.

CASH WITH ORDER.

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In Trade Packets at \$1.00 each.

Also plants of the above superb strains, at \$1.00 per 100; \$5.00 per 1000 for Giant Market, and double that rate for Giant Fancy.

Plants packed securely to go any distance.

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Our Select and Improved TRIMARDEAU will give perfect satisfaction in largest flowers, finest colors and vigorous growth. Fine, stocky, field grown plants, 75c per 100; \$5.00 per 1000. Transplanted \$1.00 per 100; \$7.00 per 1000, cash.

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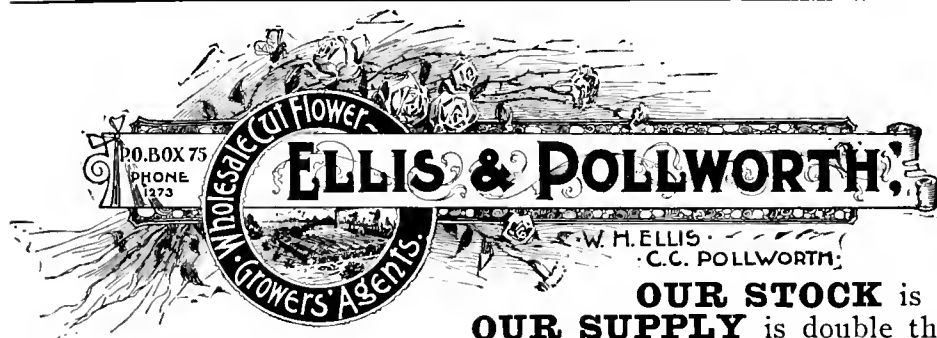
**NOW IS THE TIME** to make your arrangements for the coming season's campaign, and  
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**OUR SUPPLY** is double that of last season.

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BRIDES, BRIDESMAIDS, PERLES, SUNSETS, MERMETS, NIPHETOS, VICTORIAS, from 2½-in. \$4.00, and from 3-inch \$5.00 per 100.  
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 ESTATE OF M. A. HUNT, Terre Haute, Ind.

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CARNATIONS, for fall delivery.

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HYDRANGEA OTAKSA, fine plants from 4-inch pots		10.00
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These are extremely low prices for first class stock. Our terms are therefore cash.

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### FOR SALE.

5000 MARIE LOUISE VIOLET Clumps, field grown, free from disease, \$5.00 per 100, or \$40.00 per 1000. Cash with order.

GEO. N. SAYLES, 40 Bradley St., Watertown, N. Y.

### FINE ROSES,

Mermets, Bridesmaids, Brides, Papa Gontiers, La France, from 3½-inch pots, \$5 per 100.

### SMILAX,

strong plants from 3½-inch pots, \$3.00 per 100; \$25.00 per 1000.

### FERNS,

well established plants from 2-inch pots, in 10 choice varieties, suitable for fern dishes and cutting, \$3.00 per 100. Samples sent for 10c in stamps.

**JAMES HORAN & SON,**  
 BRIDGEPORT, CONN.

### SMILAX—SPECIAL OFFER.

\$1.50 per 100; \$12.00 per 1000.  
**DOUBLE DAISIES** (English), splendid for edging carnation beds, profuse winter blooming—Snowcrest, Longtellow, Snowflake, \$2.00 per 100.  
 F. A. BALLER, Bloomington, Ill.



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Subscription \$1.00 a Year. To Europe, \$2.00.

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Inch, \$1.40; Column, \$14.00.  
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No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

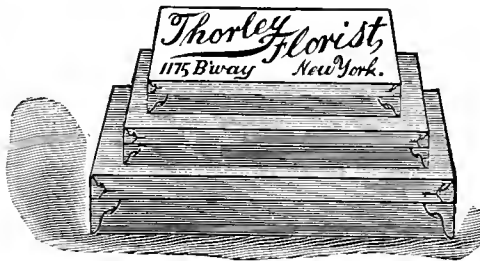
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure  
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

**OBITUARY.**

CHARLES VALENTINE RILEY.

Professor C. V. Riley, for many years  
Chief of the Division of Entomology of  
the Department of Agriculture at Wash-  
ington, died September 14, from injuries  
received through a fall from his bicycle.The eminent scientist was born in Lon-  
don in 1843 and was educated in France  
and Germany. Two passions charac-  
terized his boyhood—one for collecting  
insects, the other for drawing and paint-  
ing.At the age of 17 he sailed for New York,  
where, after a seven weeks' voyage, he  
arrived with little means. He went west  
and settled upon a farm in Illinois. Here  
he remained for four years and acquired  
an experience of practical agriculture.  
About the time of his majority he com-  
menced journalistic work in Chicago,  
where, in connection with his work on  
the paper, he gave special attention to  
botany and entomology. In 1868 he  
accepted the office of State Entomologist  
of Missouri. In the spring of 1878 he  
was tendered the position of entomolo-  
gist to the Department of Agriculture,  
which he accepted, but shortly afterward  
relinquished, retaining, however, his posi-  
tion at the head of the Entomological  
Commission, and continuing his work in  
the service of the government. In 1881  
the Division of Entomology in the De-  
partment of Agriculture was formed and  
Professor Riley was placed at its head—a  
position which he continued to occupy  
until last year, when, on account of im-  
paired health, he tendered his resignation.Professor Riley has given to the Na-  
tional Museum at Washington his private  
collection of American insects, con-  
taining more than 20,000 species, and  
represented by 115,000 pinned specimens,  
and much additional material unpinned  
and in alcohol. In 1889 he received the  
insignia of Knight of the Legion of Honor.  
At this time the French Minister of Agri-  
culture wrote him a personal letter ac-  
knowledging the distinguished and valu-  
able services which he had rendered to  
French agriculture.The readers of the FLORIST will remem-  
ber the many valuable replies to puzzling  
insect problems that have appeared in  
these pages over Prof. Riley's signature,  
and we know that every applicant for  
advice from the department was sure to  
receive a courteous, intelligent and satis-  
factory reply.Prof. L. O. Howard, who was for many  
years associated with Professor Riley,  
has been in charge of the Division of  
Entomology since the latter's retirement,  
and is continuing the good work on the  
lines laid down by his illustrious prede-  
cessor.PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

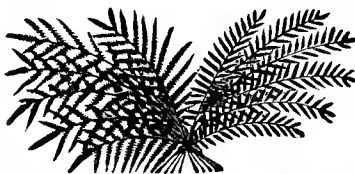
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**Hardy Cut Ferns,  
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SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON.

**WISCONSIN FLOWER EXCHANGE,  
CUT FLOWERS.**

Good supply now of

Roses, Carnations, Fancy Foliage, Lilies.  
Lily Valley after Sept. 15th.

PALMS, FERNS. Box 87, Milwaukee, Wis.

**ESTATE OF M. A. HUNT,  
Wholesale Cut Roses  
TERRE HAUTE, IND.**Parties unknown to us, references must be  
given. Orders promptly filled.**Marie Louise Violets.**Very strong and healthy field-grown  
plants, \$6.00 per hundred.Cash with order. E. C. GODFREY,  
P. O. Box 692. SO. NORWALK, CONN.**TOBACCO  
DUST.**Per 10 lbs 50c; 25 lbs \$1.00;  
50 lbs \$1.50; 100 lbs \$2.50.  
Extra fine, per 100 lbs \$5.  
Sample FREE.

Vaughan's Seed Store, Box 688, Chicago.

**500 FIELD GROWN  
Marie Louise Violets.**Clean and healthy, at \$5.00 per 100.  
Cash with order.

J. J. LAMPERT, North King St., Xenia, O.

**FLORISTS** in the vicinity of Phila.  
wishing plants, may do well by examining  
my fine stock of CARNATIONS before buy-  
ing elsewhere.

B. J. PASSMORE, Swarthmore, Pa.

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Color Chart.**We can supply extra copies of the  
color chart that appeared in the  
Convention Number at

25 CENTS EACH.

AMERICAN FLORIST CO.

P. O. Drawer 164,

CHICAGO.

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and most convenient ever put upon  
the market. They are made from  
board, manufactured especially for  
these goods, and made so as to resist  
moisture, thereby keeping the flow-  
ers fresh, and the box holding its  
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CUT FLOWER CO.,**119 and 121 W. 23rd St., and  
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Cincinnati, O.**SAMUEL S. PENNOCK,  
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REAR OF 42 S. 16th STREET,

Philadelphia, Pa.

**E. H. HUNT,**  
**WHOLESALE FLORIST**  
 68 Lake Street, CHICAGO.  
**WHOLESALE CUT FLOWERS.**  
**SEEDS, BULBS AND ALL**  
**FLORISTS' SUPPLIES.**

During July and August our store will not  
 be open after 6 p. m.

**KENNICOTT BROS. CO.**  
**WHOLESALE CUT FLOWERS,**  
 and **FLORISTS' SUPPLIES.**  
 34 & 36 RANDOLPH STREET,  
 CHICAGO.

**T. J. CORBREY,**  
**Wholesale Commission Florist,**  
 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and  
 delivered on time, send me your orders and you will  
 get what you want.

We are now prepared to furnish Florists' Wire  
 Designs and a full line of Florists' Supplies.

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 Successors to J. B. DEAMUD & CO.  
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**WHOLESALE CUT FLOWERS,**  
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 HEADQUARTERS FOR AMERICAN BEAUTIES.

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**WHOLESALE CUT FLOWERS,**  
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 Our Roses best them all, in quality.  
 Headquarters for fine American Beauties,

**W. E. LYNCH,**  
**WHOLESALE CUT FLOWERS,**  
*Wire Designs a Specialty.*  
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*Wholesale Growers of*  
**CUT FLOWERS,**  
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We are prepared to fill your orders with first-class  
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**Asparagus Plumosus Nanus.**  
 Cut Strings, 8 to 10 feet long,  
 50 CENTS.  
**W. H. ELLIOTT, Brighton, Mass.**

©Wholesale Markets.

Cut Flowers.

	NEW YORK	Sept. 18.
Roses, general list.....	1.00@	5.00
" Beauty.....	5.00@	20.00
" ordinary.....	1.00@	5.00
Carnations, ordinary.....	25@	.50
" extra.....	50@	1.00
Valley.....	2.00@	3.00
Sweet peas, per 100 bunches.....	50	
Auratum lilies.....	3.00	
Asters.....	.25@	.50
Gladolus.....	.50@	1.00
Tuberose, stalks.....	2.00	
Hydrangeas.....	1.00	
Smilax.....	8.00@	10.00
Adiantum.....	.75@	1.00
Asparagus.....	50.00	
Roses, surplus stock.....	\$5.00 per 1000	

	BOSTON.	Sept. 18.
Roses, general list.....	1.00@	4.00
" Beauty.....	10.00@	15.00
Carnations.....	.25@	.50
" extra.....	.25@	.50
Asters.....	2.00@	4.00
Valley.....	.10@	.15
Sweet peas.....	3.00	
Lilies, white Japan.....	1.00@	2.00
Gladolus.....	.75@	1.00
Adiantum.....	10.00@	12.00
Smilax.....	50.00	
Asparagus.....		

	PHILADELPHIA.	Sept. 18.
Roses.....	1.00@	4.00
" Beauties.....	.25@	1.00
Carnations.....	.25@	1.00
" short outdoor white.....	.35@	.50
Asparagus.....	3.00	
Valley.....	25.00@	35.00
Cattleyas.....	.25	
Sweet peas.....	15.00@	25.00
Smilax.....		

	CHICAGO.	Sept. 19.
Roses, Beauties long.....	10.00@	15.00
" short medium.....	2.00@	6.00
" Large teas.....	1.00@	2.00
select.....	.75@	1.00
Carnations, select.....	.50@	.75
" field grown.....	1.00	
Gladolus.....	.50@	1.00
Asters.....	4.00@	6.00
Hydrangeas.....	2.00@	3.00
Tuberose.....	8.00@	10.00
Smilax.....		

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 Successor to PECK & SUTHERLAND,  
 Successors to WM. J. STEWART.  
**Cut Flowers & Florists' Supplies**  
**WHOLESALE.**  
 67 Bromfield St., BOSTON, MASS.  
 New England Agent for the GREAT ANTIPEST.

**WHOLESALE**  
**FLORISTS**  
**JOEBERS IN**  
**FLORISTS'**  
**SUPPLIES,**  
**FLORISTS'**  
**VASES.**  
 METS,  
 BRIDES,  
 GONTIERS,  
 CARNATIONS,  
 ALWAYS ON HAND.  
 84 Hawley Street,  
 BOSTON, MASS.  
 HORTICULTURAL AUCTIONEERS.

**WELCH BROS.,**  
**Wholesale Florists,**  
 NO. 2 BEACON STREET,  
 Near Tremont St., BOSTON, MASS.

**The Boston Flower Market**

is prepared to purchase, on order, and  
 ship Trade orders for Cut Flowers at  
 prices ruling in the market on day of  
 sale. TERMS STRICTLY CASH.  
 Address **GEORGE CARTWRIGHT, Mgr.,**  
 Flower Market, Park St., BOSTON, MASS.  
 Long Distance Telephone "Haymarket 638."

You will benefit the American Flo-  
 rist by mentioning it every time you  
 write an advertiser in these columns.

**John I. Raynor,**  
 49 WEST 28th STREET,  
**NEW YORK.**

**SPECIAL EXTRA STOCK OF**  
**AMERICAN BEAUTY,**  
**METEOR,**  
**BRIDESMAID,**  
**BRIDE.**

**DISBUDDED CARNATIONS.**  
**FANCY GRADE.**

**THOS. YOUNG, Jr.**  
**Cut Flowers,**  
**WHOLESALE,**  
 43 W. 28th Street, NEW YORK.

**WALTER F. SHERIDAN,**  
**WHOLESALE**  
**FLORIST.**  
 32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application.

**Edward C. Horan,**  
 34 W. 29th Street, NEW YORK,  
**WHOLESALE • FLORIST.**

Careful Shipping to all parts of the country.  
 Price list on application.

**JAMES PURDY,**  
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**CUT • FLOWERS**  
 57 W. 30th St., NEW YORK.

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**WHOLESALE,**  
 51 West 28th St., NEW YORK.

**FRANK MILLANG,**  
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**WHOLESALE, COMMISSION,**  
 408 E. 34th Street,  
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 Cut Flower Exchange.  
 A first-class opening for a few good consignors.

**THEO. ROEHRS,**  
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**FLORIST**  
 111 WEST 30TH STREET,  
 Established 1879. NEW YORK CITY.

**JULIUS LANG,**  
 (Formerly with THEO. ROEHRS.)  
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The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.  
S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DOX, 114 Chambers St., New York, Sec'y and Treas.

H. B. GRIFFING, SONS & Co., 70 Cortlandt street, New York, have made an assignment.

THE Telegraph Code of the American Seed Trade Association should be in the hands of every seedsman in the country. We can supply copies in either stiff or flexible covers at the regular price of \$2.

THE ASSIGNMENT of Samuel Wilson, seedsman, at Mechanicsville, Pa., just at this time of the year was somewhat of a surprise to the Philadelphia seedsmen and his other creditors, who fully believe in Mr. Wilson's integrity and sympathize with him in his trouble. The assignment was entirely uncalled for, as all but one small creditor were willing to extend him further credit. But, as usual, "that one" made the trouble. Mr. Wilson has been in business for 19 years, and while well advanced in years, is as hale and hearty as a boy. The business of 1895 shows a good margin of profit, and changes in the management were being made which would have resulted in enlarged profits. The liabilities are about \$20,000, more than one-fourth of which is due to Philadelphia houses, who will probably extend him a helping hand and enable him to continue the business. Mr. Wilson has been quite prostrated by the trouble.

Philadelphia Seed Notes.

Mr. S. Y. Haines, manager for Miss. C. H. Lippincott of Minneapolis, is staying here, after spending some time at Atlantic City, where Miss Lippincott and her mother are enjoying the finest month of the year.

Harry Holmes and Chas. MacKubbin, both heads of department with W. Atlee Burpee & Co., have sent in their resignations, to take effect October 1. Mr. Holmes had been with Mr. Burpee ever since the latter started business, seventeen years ago, and was in charge of the mail order and livestock department, while Mr. MacKubbin had been buyer and general manager for fifteen years. They will open a wholesale and retail store in Harrisburg, Pa., and will handle everything connected with the seed trade, including implements and live stock; and they have

ample capital to back them. Harrisburg is said to be a good place for beginners, there being no seed house there.

It is gratifying to report that Mr. Burpee has returned with greatly improved health. His Ford Hook farm never looked better, showing that capable hands were in charge during his absence.

Some beautiful samples of vegetable and flower plates produced by the Colori-type tricolor process were shown lately by Mr. McFarland of Harrisburg. A.

ROMANS.

Fine, Healthy Stock.

Per 100 Per 1000  
Extra Select, 13-15 centr. \$2.75 \$25.00

TRADE LIST READY.

W. W. BARNARD & CO.,  
186 East Kinzie Street, CHICAGO.  
Mention American Florist.



BARGAINS IN TULIPS

Special offer for not less than 500 of a kind, f. o. b. New York. Cash with order and if unsold. (If from Chicago \$1.00 per 1000 advance.)

	Per 1000	
9,500 Canary Bird.....	\$ 11.25	
10,000 Chrysolora, yellow.....	8.25	→
12,000 Arius, scarlet.....	4.25	
10,000 Yellow Prince.....	8.25	
11,000 Belle Alliance, scarlet.....	7.00	
13,000 Pottebakker, white.....	12.75	
11,500 Joost van Vondel, pink.....	7.75	
10,500 Crimson King.....	4.25	→
12,000 L'Immaculee, white.....	4.00	

All Fall Imported Bulbs now here.

Vaughan's BOOK FOR FLORISTS, Fall edition, just out.

NEW YORK: 26 Barclay St. CHICAGO: 84-86 Randolph St.  
**VAUGHAN'S SEED STORE,**

THE NORTHROP, BRASLAN, GOODWIN CO.

Wholesale Growers and Jobbers of

SEEDS,

55, 57 & 59 N. Jefferson Street, CHICAGO.  
MINNEAPOLIS: 20 to 28 Hennepin Avenue.

The disposal of our retail catalogue business places us in better position than ever to care for the Jobbing Trade. We will be glad to quote you prices at any time. We are Headquarters in this line.



Chicago House.



Our Minneapolis House.

# Bulbs.

New Catalogue now ready. Mailed free on application. We quote

**TULIPS** in mixture, \$3.50, \$5.00, \$6.50 a thousand, according to grade.  
**CROCUS** in mixture, \$2.00 and \$4.00 a 1000.  
**HYACINTHS** in mixture, \$22.50, \$27.00 and \$38.00.  
**NARCISSUS** *Incomparabilis*, yellow, single or double \$6.00 a 1000.  
**CAMPERNELLES**, golden yellow, \$3.50 a 1000.  
**JAPANESE LONGIFLORUMS**, 7 to 9 in. \$45.00 a 1000, and so on. All less 10 per cent. cash discount.

**August Rölker & Sons**  
 136 W. 24th St., New York.

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... OUR SPECIALTY.

Grown from selected Onions and the purest stock in the United States.

1895 CROP 1895.

YELLOW GLOBE DANVERS,  
 YELLOW FLAT DANVERS,  
 EXTRA EARLY RED,  
 WETHERFIELD,  
 WHITE PORTUGAL,  
 WHITE GLOBE.

Write for  
 Prices.

**GOX SEED AND PLANT CO.**  
 SAN FRANCISCO, CAL.

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For Catalogues address

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# WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus  
 AND

**LILIAM HARRISII.**

Special low prices on application.

**WEEBER & DON,**

Seed Merchants and Growers,  
 114 Chambers St., NEW YORK CITY.

# FINEST OF BULBS.

IN ANY QUANTITY TO SUIT.

**LILIAM HARRISII** now on hand in all sizes.

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**HULSEBOSCH BROTHERS, Englewood, N. J.**

**H. H. BERGER & CO.**  
 (Established 1878) SAN FRANCISCO, CAL.  
**NEW PRICE LIST. Send for it.**

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**FREESIA REFRACTA ALBA,**  
**LIL. LONGIFLORUM,**  
**AURATUMS,** and all other Japan Lilies.  
**ESPECIALLY LOW PRICES FOR EARLY ORDERS.**

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**Plants, Seeds and Bulbs.**

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The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

**LILIAM HARRISII.**

Original and largest growers of this important bulb.

OUR SPECIALTY.

True Stock. Lowest Prices. Best Quality.

**F. R. PIERSON CO.,**  
 TARRYTOWN-ON-HUDSON, NEW YORK.

# DREER'S FERNS.

## ADIANTUM FARLEYENSE.

We have two one hundred ft. houses filled with a grand lot of this beautiful Fern; a perfectly healthy lot of cool grown, well hardened off plants with fine large foliage.

	Per doz.	Per 100
2-inch pots . . . . .	\$2.00	\$15.00
3-inch pots . . . . .	3.00	25.00
4-inch pots . . . . .	6.00	50.00
5-inch pots . . . . .	75c. each;	\$9.00 per doz.
6-inch pots . . . . .	\$1.00 each;	12.00 per doz.

## ADIANTUM CUNEATUM.

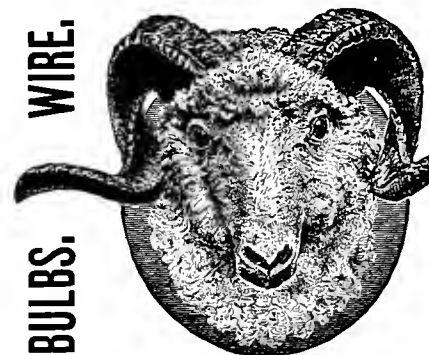
	Over 100,000 in stock.
A grand lot. . . . .	\$5.00 per 100; \$40.00 per 1000
2-inch pots . . . . .	8.00
3-inch pots . . . . .	70.00
5-inch pots . . . . .	20.00
	2.50 per doz.

## DORYOPTERIS NOBILIS.

A rare and beautiful variety.  
 3-inch pots. . . . \$2.50 per doz.; \$20.00 per 100

Our stock of **Decorative Plants**, such as Palms, Araucarias, etc., is now the most complete offered. All of these are accurately described in our current Trade List.

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BULBS.

## ASSORTED FERNS.

An immense stock, all grown in open frames well hardened and in condition to give quick returns.

<b>Adiantum Pubescens.</b>	<b>Onychium Japonicum.</b>
" <i>Decorum.</i>	<b>Pteris Adiantoides.</b>
<b>Blechnum Occidentale.</b>	" <i>Argyrea.</i>
<b>Cyrtomium Falcatum.</b>	" <i>Cretica alba lineata</i>
<b>Davallia Stricta.</b>	" <i>Internata.</i>
<b>Didymochloena Truncatula.</b>	" <i>Leptophylla.</i>
<b>Lastrea Opaca.</b>	" <i>Owardii.</i>
" <i>Chrysoloba.</i>	" <i>Sieboldii.</i>
<b>Lomaria Ciliata.</b>	" <i>Serrulata.</i>
" <i>Gibba.</i>	" <i>Palmata.</i>
<b>Nephrodium Hirtipes.</b>	" <i>Tremula.</i>

All the above in 2 inch pots, \$5.00 per 100, or \$40.00 per 1000.

## WISCONSIN FLOWER EXCHANGE,

# Sheep Manure,

Horticultural Manure, Bone Meal,  
 Tobacco Stems, Rose leaf Tobacco.

## SPHAGNUM MOSS.

Liquid Putty, Glaziers' Points,  
 Violet and Smilax Plants.

Box 87. **MILWAUKEE, WIS.**

# CLAY'S FERTILIZER

A Highly Concentrated Plant Food.

Used by the leading growers all over the world. Unsurpassed for Roses, Chrysanthemums, and all horticultural purposes. Genuine only in sealed bags with makers trade mark. For sale in the U. S. by the undersigned in 112 lb. bags at \$6 per bag f. o. b. Phila. 12 lb. sample \$1. **G. C. WATSON, 43 N. 10th St., Phila.**

WE ARE HEADQUARTERS ON

**BULBS FOR FORCING,**  
**FLOWER SEEDS FOR FLORISTS**  
**ENGLISH MUSHROOM SPAWN.**

Special prices on application.

**JOHN GARDINER & CO., Seedsmen,**  
 631 Market St., Philadelphia, Pa

## M. KEPPLER,

Dealer in J. M. THORBURN & CO.'S

**HIGH CLASS SEEDS AND BULBS.**

Florists and Gardeners trade a Specialty.

25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.

**METROPOLITAN P. O. East Williamsburg, L. I., N. Y.**

## TELEGRAPH CODE

OF THE

**AM. SEED TRADE ASSOCIATION**

\$2.00.

In either stiff or flexible cover

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**AMERICAN FLORIST CO.,**

P. O. Drawer 164. . . . . CHICAGO.

# Healthy Violets

**MARIE LOUISE,**

Field grown.....\$40.00 per thousand

CASH WITH ORDER.

**C. L. DOLE, Lockport, N. Y.**

# TO BE SOLD AT ONCE

**5000 SELAGINELLA EMILIANA,**

2-inch pots, ready for use or shift. Best plant for fern dishes, \$3 per 100; \$25 per 1000.

**SIEBRECHT & WADLEY,**

Mention Am. Florist. New Rochelle, N. Y.

# First Plant Sale of the Season,

**TUESDAY, SEPT. 17.**

Sales every Tuesday and Friday throughout the season.

**A. & F. RÖLKER, Auctioneers.**  
 106 Liberty Street, NEW YORK.



# TRY DREER'S

**GARDEN SEEDS,**

Plants, Bulbs & Requisites.

They are the best at the

lowest prices. Trade List is-

sued quarterly, mailed free

to the trade only.

**HENRY A. DREER,**

Philadelphia, Pa.

# FOR SALE—Surplus Stock.

**Lælia anceps**, strong plants, @ \$25.00 per 100

**Latania borbonica**, from 6's @ \$25.00 per 100

A choice lot of established *Cycas revoluta* with the crowns of leaves, stems from 8 inches to 3 feet in length. Send for list.

**BRACKENRIDGE & CO.,**  
 GOVANSSTOWN, MD.

## News Notes.

SAN FRANCISCO.—The tax levy provides for \$300,000 for park improvement.

INDIANAPOLIS.—The park board asks for \$50,000 for expenses during the ensuing year.

JACKSONVILLE, ILL.—E. R. Walters, the florist, died September 8, of cerebral meningitis.

CINCINNATI.—There is some talk of a charity chrysanthemum festival being held this fall.

PORTLAND, IND.—The Portland Floral Co. recently sold out to Mr. John Waggoner of Van Wert, Ohio.

TRAVERSE CITY, MICH.—The Michigan State Hort. Society will hold its seventeenth annual meeting and exhibition here September 24 to 27.

CEDAR FALLS, IA.—Jos. Bancroft has recently added one house 12x70 and is also building a show house 28x40, and rebuilding his office 12x38 with a large storage cellar for cut flowers and bulbs underneath.

OSHKOSH, WIS.—The annual chrysanthemum show of the Oshkosh Florists' Club will be held November 5 to 7. The premium list has been printed and copies may be had on application to Mrs. G. M. Steele, secretary.

QUINCY, ILL.—Mr. Ernst Maag has recently added two more houses to his plant, one 10x75 for carnations and one 16x75 for roses. Mr. Maag's chrysanthemums look fine, well grown and comprise many excellent varieties.

PHILADELPHIA.—The commissioners of Fairmount Park have authorized the purchase of 16 acres near the head waters of the Wissahickon, which will enable them to make some improvements in straightening lines and widening roads.

PEORIA, ILL.—The park commissioners have given a committee full power to contract for a conservatory and greenhouses, and it is the intention to have the greenhouses built by October 1. The estimated cost is from \$13,000 to \$14,000.

MEMPHIS, TENN.—A. Haisch & Co. have adopted the title "Magnolia Floral Co." They have been building four equal span houses, each 20x120, glazed with 16x24 double thick glass. They are also building a store with show conservatory in the business center of the city.

NEW ORLEANS, LA.—The coming chrysanthemum show of the New Orleans Hort. Society will be held in a large tent placed in Lafayette Square. The tent will be 200x70 feet. There will be quite a number of competitions for prizes by children, some very liberal prizes having been offered by a local amateur.

GOSHEN, IND.—Mr. E. N. Burt intends to open a store in the center part of the city. In addition to cut flowers he will handle a general line of bulbs and seeds. A commodious conservatory in the rear part of the store for palms and miscellaneous plants will be built as soon as all arrangements are completed. Mr. Burt has recently added a new house 20x60 for carnations.

## Fine Healthy CARNATION PLANTS,

from the field: Portia, Albertini, Tidal Wave and Grace Wilder, \$5.00 per 100.

EMIL BUETTNER, Park Ridge, Ill.

FIELD GROWN STOCK,  
Carnations, such kinds as

DAYBREAK, L. MCGOWAN, PORTIA, WM. SCOTT, SWEETBRIER, NELLIE LEWIS and others. Healthy, full size stock. Low prices.

MARIE LOUISE VIOLETS. Specially large clumps.  
RISLEY FLATS SMILAX.

Priced Circulars free. Address

DAN'L B. LONG, Wholesale Florist,  
BUFFALO, N. Y.

## CARNATIONS.

Strong, field grown plants, at \$8.00 per 100.

DAYBREAK,  
PURITAN,  
SILVER SPRAY,

THOS. CARTLEDGE,  
SWEETBRIER,  
PORTIA,

JACQUEMINOT,  
LIZZIE MCGOWAN,  
EMILY PIERSON.

WE ARE HEADQUARTERS FOR

## FARLEYENSE FERNS.

2-in. \$15.00; 2½-in. \$18.00; 3-in. \$25.00; 4-in. \$50.00 per 100.

NEW YORK: 26 Barclay St. **VAUGHAN'S SEED STORE,** CHICAGO: 84-86 Randolph St.  
GREENHOUSES WESTERN SPRINGS, ILL.

## W. K. HARRIS

Will hold a  
Sale of

## SPECIMEN PLANTS

WEDNESDAY,

October 2, 1895,

AT

10 O'CLOCK A. M.

Send for Circular.

EDWARD HATCH, Auctioneer,

22 Devonshire St., BOSTON, MASS.

Per 100  
Adiantum Cuneatum, strong plants,  
4-inch.....\$15.00  
Nephrolepis Exaltata, extra fine stock,  
strong plants in 3-inch pots..... 10.00  
Cyperus, fine stock, 5-inch pots..... 10.00  
Violets, fine stock, field grown..... 5.00  
Hydrangea Otaksa, old stock plants,  
field grown, extra fine..... 20.00  
An extra fine lot of Specimen Palms.

Write us for prices.

We carry a large stock of Hardy Perennials and Herbaceous plants.

Carnations, from field, leading sorts.. 6.00

Callas, 4-inch pots..... 6.00

JOHN C. URE, Argyle Park, Ill.

## PALMS SELL ALL THE YEAR.

Our 17 collection, 3 & 4-inch \$3, 34 for \$5; 10 4 & 5-inch \$3.50, 20 for \$5; 6 1/2 in. for \$5. All good selected varieties. Special sale: Choice Ferns \$5.00 & \$6.00. SMILAX, fine plants in 2 1/2-inch pots, \$2.00 per 100.

## FIELD GROWN CARNATIONS.

SILVER SPRAY, PORTIA, GARFIELD,  
LIZZIE MCGOWAN, HINZE'S WHITE.  
TENDERS, Price \$5.00 per hundred.

Williams & Sons Co., Batavia, Ill., Labels & Moss, etc.

## CARNATIONS, FIELD GROWN

Our Carnations this season are strong and healthy. No. 1 plants—ready now. Per 100

DAYBREAK.....\$ 8 00  
HELEN KELLER..... 8 00  
JACQUEMINOT..... 8 00  
WM. SCOTT..... 8 00  
MRS. E. REYNOLDS..... 8 00  
UNCLE JOHN..... 8 00  
GARFIELD..... 8 00  
THE STUART..... 10 00  
SWEET BRIER..... 10 00  
LIZZIE MCGOWAN..... 5 00  
SILVER SPRAY..... 5 00  
L. L. LAMBORN..... 5 00  
PORTIA..... 5 00  
GRACE WILDER..... 5 00  
TIDAL WAVE..... 5 00  
VIOLETS, Marie Louise, field grown..... 5 00  
We invite anyone wanting large quantity to come and inspect stock.

EVENDEN BROS., Williamsport, Pa.

## CARNATIONS

Field Grown Plants.

ELDORADO and OTHER SEEDLINGS.

W. R. Shelmire,

Send for circular. AVONDALE, PA.

## FORCING ROSES,

American Beauty and leading sorts.

## FIELD GROWN CARNATIONS.

Best new and old ones.

CYCLAMEN, 3-inch. PRIMROSES, 3-inch.

A. S. MACBEAN, Lakewood, N. J.

## Chicago Retail Florists!

Buy your choice FERN PLANTS for Table Decorations of

P. N. NEIGLICK,

2224 N. Clark Street, CHICAGO.

## Cattleya Mendeli.

Fresh imported plants of this beautiful Cattleya at \$50 and \$60 per case (containing about 500 bulbs), cash.

Fine, well-leaved specimen plants, from 20 to 120 bulbs, at 20 cts. per bulb.

ADOLF SACHSE,

cure Estate Forsterman, Newtown, L. I., N. Y.



## A Color Chart

far more brilliant than that of Mr. Mathews may be had by planting and cherishing our field plants.

Carnations Introduced this year:

	Per 100
OPHELIA—(Own). Pink, large and free, flowers bring top price.....	\$15.00
KOHINOOR—(Pennock). Large white, occasionally pencilled with pink, very fine.....	10.00
SHELMIRE'S LIST.	
ELDORADO—A free blooming yellow, finely formed flowers, often reaching 3 inches, petals edged with pink.....	15.00
KITTY CLOVER—A most prolific bloomer, rather light yellow striped lightly with red and white, flowers fragrant.....	10.00
EULALIE—Light yellow, handsomely pencilled with light pink.....	10.00
PRINCESS BONNIE—Light pink ground, prettily pencilled with a darker shade, a very fine carnation and a great bloomer.....	10.00
DAISY BELL—White variegated, same class as Chester Pride, flowers much larger, and the plant will bloom much sooner.....	10.00
GENERAL LIST.	
SWEETBRIER, light pink.....	8.00
WM. SCOTT, pink.....	8.00
THOS. CARTLEDGE, dark pink.....	8.00
PORTIA.....	8.00
McGOWAN.....	6.00
STUART.....	8.00
UNCLE JOHN.....	8.00
HELEN KELLER.....	8.00
STOCK IN BLOOM IN FIELD.	
MRS. FISHER.....	3.00
OPHELIA.....	5.00
BUTTERCUP.....	5.00
AURORA.....	3.00
VIOLETS LADY CAMPBELL.....	8.00
MARIE LOUISE.....	6.00

**Edwd. Swayne,**

KENNETT SQUARE, PA.

Always mention American Florist.

## CARNATIONS

Cut Blooms at Wholesale.

FIELD PLANTS AND ROOTED CUTTINGS IN SEASON.

**C. J. PENNOCK,**

The Pines. KENNETT SQUARE, Chester Co., PA.

## THE COTTAGE GARDENS,

Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

## CARNATIONS, BOUVARDIAS,

STRONG FIELD-GROWN PLANTS.

Very low prices on application.

VICK & HILL, Rochester, N. Y.

## New White Carnation ALASKA.

Field grown plants. Send for prices.

**McGORNAC & CO., Paterson, N. J.**

Successors to H. E. Chitty.

## FINE FIELD GROWN GARNATION PLANTS

6000 DAYBREAK.....	\$6 00
SCOTT.....	6 00
CARTLEDGE.....	6 00
HELEN KELLER.....	6 00
15,000 LIZZIE McGOWAN (fine).....	5 00
TIDAL WAVE.....	5 00
ORANGE BLOSSOM.....	5 00

Also 2000 MARIE LOUISE VIOLETS, no spot, at \$7.00 per 100.

PANSY PLANTS, flowering, \$5.00 per 100.

GEO. B. WHITEHEAD, L. B. 116, Greens Farms, Conn.

## FIELD GROWN CARNATIONS.

In bud and bloom, ready to plant.

Hinze's White, Puritan, Lizzie McGowan, Day-break, J. J. Harrison, Portia, Fred Dörner.

J. A. TRACHT & SON, Galion, Ohio.

## 40,000 GARNATIONS!

FIELD-GROWN

ALL THE BEST VARIETIES.

From Four to Twelve Dollars per Hundred, according to variety.

SEND FOR PRICES.

**GEO. HANCOCK & SON,**  
GRAND HAVEN, MICH.

## 4 Acres Field Grown Carnation Plants, 96,000.

Our Carnations are grown with the greatest care, are first-class, and free from disease. We pack light by our improved system of packing by which we can send them to all parts of the United States and Canada in perfect condition.

ADA BYRON  
ADELAIDE KRESKEN  
NICHOLSON

SWEETBRIER

STUART

UNCLE JOHN

\$1.50 per dozen. \$8.00 per hundred.

DAYBREAK

PURITAN

\$1.25 per dozen. \$6.00 per hundred.

L. L. LAMBORN  
LIZZIE McGOWAN  
MRS. F. MANCOLD

GRACE WILDER

TIDAL WAVE

MRS. CARNECIE

\$1.00 per dozen. \$5.00 per hundred. \$45.00 per thousand.

JACQUEMINOT

HELEN KELLER

BUTTERCUP

CHESTER PRIDE

CARFIELD

HINZE'S WHITE

PORTIA

**J. L. DILLON, Bloomsburg, Pa.**

LARGE FIELD GROWN

## CARNATIONS

	Per 100
LIZZIE McGOWAN.....	\$5 00
WM. SCOTT.....	5 00
SILVER SPRAY.....	5 00
BLANCHE.....	4 00
ORANGE BLOSSOM.....	4 00
CREOLE.....	4 00
WHITE DOVE.....	4 00
GRACE WILDER.....	4 00
AMERICAN FLAG.....	4 00
BEN HUR.....	4 00
MRS. HITT.....	4 00

THE NATIONAL PLANT CO.

CASH.

DAYTON, OHIO.

## Field Grown Carnations.

GOOD HEALTHY PLANTS.

	Per 100
UNCLE JOHN.....	\$ 8 00
STUART.....	8 00
BRIDESMAID.....	10 00
ALBERTINI.....	8 00
WM. SCOTT.....	8 00
E. A. WOOD.....	8 00
METEOR.....	10 00

FRED. DORNER & SON,

LA FAYETTE, IND.

## 20,000 CARNATIONS.

Fine field plants of standard tested sorts that must be sold. Please send list of your wants for prices.

## 8000 LADY HUME CAMPBELL VIOLETS.

Fine field clumps. Price, \$8.00 per 100; \$75.00 per 1000. Also fine pot plants at \$4.00 per 100. Stock fine.

BENJ. CONNELL, Florist, WEST GROVE, PA.

## Fisher & Aird, NEW AND TESTED CARNATIONS.

ALEX. McBRIDE,

## Carnation Grower

ALPLAUS, N. Y.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Field Grown

## Carnation Plants.

FINE BUSHY PLANTS.

WM. SCOTT, \$7 per 100. TIDAL WAVE, \$5 per 100.

DAYBREAK,

DIAZ ALBERTINI,

McGOWAN,

HINZE'S WHITE,

SILVER SPRAY,

COL. WILDER, our best

red. \$6.00 per 100.

BUTTERCUP,

MRS. STANLEY,

BOUTON D'OR,

in limited quan-

tity, second size

plants, \$6 per 100.

Strictly cash with order.

Also large stock of Palms, Pandanus Utilis and P. Veitchii, Aspidistras, Century Plants, etc., etc. Mostly large specimens, fine for decorations. Will be sold cheap. Have no further use for them.

**S. J. REUTER, Westerly, R. I.**

GOOD FIELD GROWN

## CARNATION PLANTS CHEAP.

Portia, Pierson, Tidal Wave, Garfield,

Silver Spray, Grace Wilder.

Also strong SMILAX PLANTS from 2½-in. pots.

GEO. SOUSTER, Elgin, Ill.

**E. G. HILL & CO.,**

## Wholesale Florists

RICHMOND, INDIANA.

## CARNATIONS.

20,000 DAYBREAK, good plants, averaging 10 to 15 flowering shoots, \$6 per 100.

GEO. E. FANCOURT, Wilks-Barre, Pa.

## FIELD GROWN CARNATIONS.

700 WM. SCOTT. \$7.00 per 100

400 GARFIELD. 5.00 per 100

Strong, healthy plants. Cash with order.

ROSES—400 Mermels, 3-inch pots. \$4.00 per 100

F. R. CLARKE, Waukegan, Ill.

## Bloomington, Ill.

Business is still at a very low ebb, trade in cut flowers, according to reports having been unusually quiet during the past week. It is the general opinion, however, that this state of affairs cannot last much longer. A decided change for the better is expected even by the most conservative element.

Building operations seem to be the order of the day and are carried on on a scale that is most gratifying. Messrs. A. Washburn & Son are putting the finishing touches to their four additional houses, which they have recently built and equipped with the best and the latest appliances. Of these two houses cover 18x150 and the other two 11x150. Unlike their other houses, eleven in number, those recently built run east and west with the short-span-to-the-south. The glass used is double thick, 20x24. They have also erected a new boiler house, containing two 50 horse power steam boilers, calculated to supply all their houses with steam. Of their fifteen good sized houses, six are being used exclusively for violets, two for roses, two for carnations and five for palms and miscellaneous stock.

In addition to their wholesale trade, Messrs. Washburn & Son enjoy also a good retail trade, their store in the business part of the city, which they opened last fall, having proved to them that their venture was one in the right direction.

Mr. Washburn is making arrangements for a chrysanthemum show in November.

## Toledo, Ohio.

Mr. Geo. Heinl is tearing down all his greenhouses at the old Cherry street place and removing them to his place at West Toledo. He has found the maintaining of two separate establishments unsatisfactory and will now centralize at the West Toledo place. He has built at the new place seven houses, of which one is 18x86, one 18x91, one 18x96, one 18x101, one 18x106, one 18x111 and one 18x116. He is also extending five houses 48 feet each which were all 100 feet long. He also expects to build two violet houses, each 12x145; adding these to the five houses, each 18x100, that were already on the place, this gives him a total of 19 houses. His place is devoted entirely to the growing of cut flowers and decorative plants. He will retain his city store.

Mr. Trefry has built three houses, each 17x50, for commercial purposes.

## Minneapolis.

Notwithstanding the temporary dull spell and the fact of the department stores underselling flowers, the florists are making extensive improvements about their places, evidently contemplating a good and prosperous season.

Among others, Messrs. E. Nagel & Co's store on Nicollett street is undergoing extensive alteration, large French plate show windows, new counters, shelves, show cases, etc., to take the place of the old ones.

CATALOGUE PRINTING.  
ELECTROTYPING.

Done with expert ability for Florists  
Nurserymen, Seedsmen. Write to

J. Horace McFarland Co.

HARRISBURG, PA

## THE WHITE CANNA CAN NOW BE SEEN

In its full glory, notwithstanding the severe drought, at our Mr. Wintzer's farm at West Grove, Pa. Also the **NEW PURE ROSE, PURE PINK, PURE YELLOW**, and other remarkable Cannas that will be offered by us for the first time this season. The **White Myrosma** also in full bloom now. The **New Golden Cosmos, The Crimson Spiraea, THE BLUE SPIREAS, Tecoma Smithii, Solanum Rantonnetti**, and other Novelties in Plants.

Headquarters also for The Strawberry Raspberry, The Raspberry Blackberry, The Mayberry. Stanley Raspberry.

**ROSES.** **Crimson Rambler**, \$6.00 to \$15.00 per 100. **Magna Charta**, 2 to 3 feet, \$6.00 per 100. **Tennessee Belle**, 4 to 5 feet, \$6.00 per 100. **Baltimore Belle**, 4 to 5 feet, \$6.00 per 100. **Meteor**, 1 to 2 feet, \$6.00 per 100. **CAROLINE TESTOUT**, finest plants in the country, \$10.00 per 100. Not less than 100 at these prices. **Black Callas**, \$5.00 and \$8.00. **Spotted Callas**, \$3.00 and \$5.00. **Purple Callas**, \$3.00 per 100. **Little Cems**, \$5.00 per 100.

Send for Catalogue of Novelties in Plants. Jardinieres and Flower Pots for the trade.

A. BLANC & CO., 314 & 316 N. 11th Street, Philadelphia, Pa.

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to  
Chas. Schwake, 404 E. 34th St., New York.

You will receive by next steamer:

**TULIPA CRECIL.** "The Perle of Persia," spotted foliage, very large flowers of dazzling orange scarlet with a yellow and black center. The brightest and most showy tulip in cultivation. \$1.50 per doz; \$10.00 per 100.

**Black Calla** (Mohammed's Sacred Lily), \$1.00 per doz.; \$7.50 per 100.

**White Calla** (Lily of the Nile), medium sized bulb, \$1.00 per 100.

**Iris reticulata**, exquisite dwarf Iris with violet-blue fragrant flowers, reticulated with golden yellow, 5 c. per doz.; \$3.00 per 100.

**Lilium Candidum** (St. Joseph's Lily), strong bulbs \$2.50 per 100; \$20.00 per 1000.

**Double Roman Narcissus**, \$1.00 per 100; \$7.00 per 1000.

**Van Sion Narcissus**, \$1.75 per 100; \$13.00 per 1000.

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**  
1708 N. Halsted St., CHICAGO.  
Mention American Florist.

## ADIANTUM FARLEYENSE

One of our Specialties.

4-inch pot plants, extra fine ..... \$50.00 per 100  
5-inch " " ..... 12.00 per doz  
6-inch " " ..... 18.00 per doz

**EDWIN LONSDALE,**  
WYNDMOOR, near Chestnut Hill, PHILA., PA.  
Money Order Office: Station H, Phila.

## ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

**SANDER,** St. Albans, England, & Bruges, Belgium.

A. DIMMOCK, Agent, care Bolker's Auction Rooms, 106 and 108 Liberty Street, New York City  
Send for illustrated catalogue.

## Pitcher &amp; Manda, Inc.

LOW PRICES.

## PALMS, FERNS and ORCHIDS

Specialties.

SHORT HILLS, NEW JERSEY.

## Special Offer.

Primroses, single flowering..... \$2.25 \$20.00  
Pansies ..... .65 4.50

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

## 5000 Nephrolepis Davaloides.

Also Davaloides Furcans Kentias, Latanias, Cycas revoluta, Pandanus Veitchii, Pandanus utilis, Araucaria excelsa, Areca glauca, Adiantum cuneatum.

**FICUS ELASTICA**, 2 to 3 ft. \$6 per doz.

" " 3 to 4 ft. \$9 per doz.

Also **BOUVARDIAS**: Pres Cleveland, Pres. Garfield, S. White, Alfred Neuner, \$7.00 per 100.

## WM. A. BOCK,

IMPORTER AND GROWER OF PALMS, ETC.,

2394 Massachusetts Ave.,

No. CAMBRIDGE, MASS.

## SAMPLE BLOOMS.

25 of our extra new double Petunias will be sent free to any florist that will pay the express charges on them.

## S. O. STREBY,

Lock Box 77,

UPPER SANDUSKY, OHIO.

## LATANIA BORBONICA.

SPECIMEN PLANTS:

10-inch pots. . . . . \$4.00 to \$5.00 each  
12-inch pots. . . . . \$6.50 each

## SWAINSONA ALBA:

Bushy plants in full bloom. . . \$3.00 a dozen

## HELEN KELLER CARNATION:

Fine plants, field grown. . . \$10.00 per 100

JOHN WELSH YOUNG, Germantown, Pa.

## New, Rare and Beautiful Plants

**LORD PENZANCE'S** New Hybrid Sweetbrier. Old Garden Roses, etc.

**SPIRÆA "ANTHONY WATERER,"** flowers rich crimson.

A large collection of rare Hothouse and Greenhouse Plants, carefully grown, at low rates; Orchids, etc.

**PELARGONIUMS.** All the European Novelties

**RARE AND BEAUTIFUL EVERGREENS.**

**ORNAMENTAL TREES, SHRUBS, &c.**

**PEONIES.**—A large collection of the finest in cultivation. Hardy Perennials, Phloxes, Japanese Iris, Roses, Clematis, etc. New and Standard Fruits, etc.

Send Catalogues on application.

JOHN SAUL, WASHINGTON, D. C.

## VIOLETS.

MARIE LOUISE, strong, healthy, field grown plants

A. WASHBURN & SON,

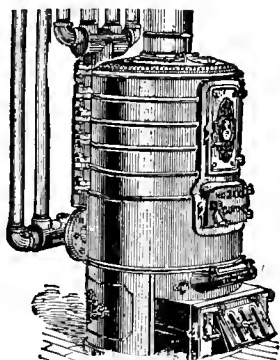
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FLORISTS, YOUR ATTENTION! PLEASE.

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Gurney Hot Water Heater.  
300 Series.

We can Furnish  
4-inch Hub Joints  
when so Desired.

## HOT WATER HEATERS AND STEAM BOILERS

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The Result of Years  
of Experience in the  
Manufacture of this  
SPECIALTY.

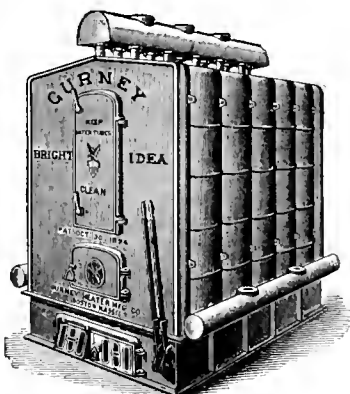


Gurney Steam Boiler.

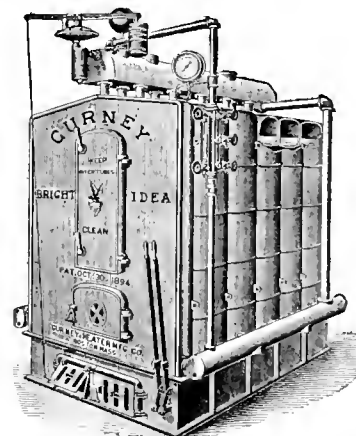
COMPLETE LINES  
FOR ALL  
REQUIREMENTS.

For \_\_\_\_\_  
EFFICIENCY,  
DURABILITY  
and ECONOMY,  
THEY ARE UNEQUALED.

Send for Catalogue.



Gurney "Bright Idea" Safety  
Water Tube Heater.



Gurney "Bright Idea" Safety  
Water Tube Boiler.

## GURNEY HEATER MFG. CO.

163 Franklin Street,

Cor. Congress St.,

BOSTON, MASS.

## Kansas City, Mo.

A flower parade will be held for the first time in Kansas City October 1 at 2 o'clock p. m., and is the first of the series of fall festivities. While under the auspices of the Karnival Krewe it is not a Karnival Krewe affair. The management rests solely in the hands of the members of the general ladies' committee; among them are some of our most prominent ladies. The parade will be made up of about 80 or 100 private carriages, about 20 floats entered by business firms who are closely bound as regards advertising features, signs, etc., making it as much as possible a society event. In fact all the most prominent society people have already made entry for the parade. No vehicle will be admitted to parade unless full and artistically decorated. All gentlemen participating in the parade are requested to appear in white duck suiting. Natural and artificial flowers are to be used.

The Jaunting Club of twenty members on horseback, with one of our prominent ladies as chaperone, bicycle clubs and society wheels will all be in the parade, and the fire department promises to outdo all previous records in the way of decoration; sixty-five out-riders or guards will be garbed entirely in white. The battle is now until the event takes place between living and dead (artificial) flowers. May the former live, and the latter remain dead or at rest in the merchant's store cases.

The Kansas City Florists' Club will give their first chrysanthemum show at Armory Hall November 12, 13 and 14. The prize list is getting well filled up and everything is favorable for a good, successful show. Never was there such interest taken in 'mums before, and never were they seen in such large quantities or in such fine condition as at present.

There has been no such thing as business for some time past, but we all hope for things to take a turn at the approach of cold weather. S. MURRAY.

## Belleville, Ill.

The cut flower supply from this point will soon be a factor in the St. Louis market.

There have been added this summer two new establishments, those of Mr. Joe Kaiser and Mr. Hy. Eumuds, making eight in all. Both these men have constructed thoroughly modern houses and intend to send in good stuff.

Mr. Gus Grossart rebuilt his entire place this summer, and this coupled with the beautiful location gives it a fine appearance.

Mr. A. G. Fehr has remodeled his East Main street store and painted it pure white with gilt trimmings.

There being three distinct soils here, clay sod, gravelly clay and black loam, everything in the cut flower line can be grown. The soil in town not being the best for growing carnation plants some of the growers have rented tracts near town better suited, and a look at their plants shows they made no mistake. Planting in will commence this week.

W. L. HUCKE.

## Fenster Pappe.

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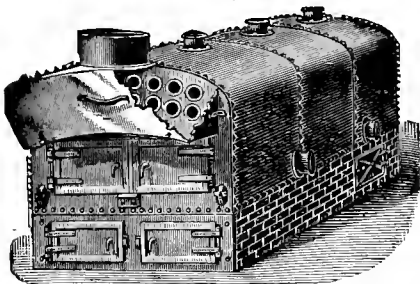
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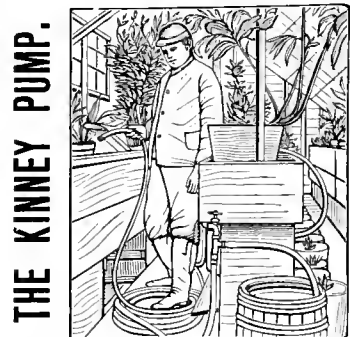
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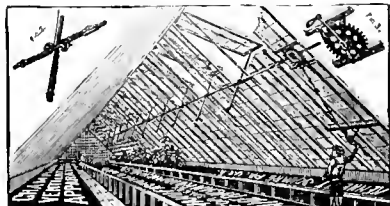
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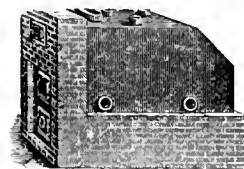
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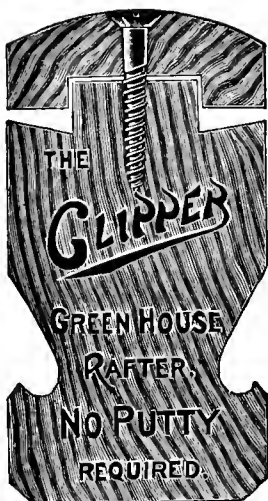
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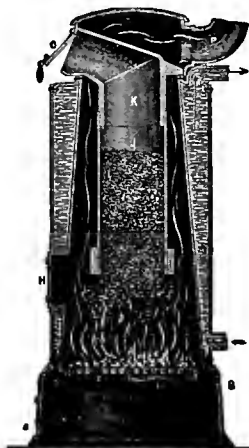
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The Tri-City Florists' Club held their first annual picnic Tuesday, September 10. The occasion was made particularly enjoyable through the courtesy of our worthy secretary, Mr. A. W. Van De Veere, who tendered the use of the elegantly equipped pleasure boat "The Trilby," on which we took a trip 10 miles down the Mississippi to Kimball's Island, where dinner and supper were served.

On the return trip an impromptu meeting was held, at which two new members were admitted to the club, and a hearty vote of thanks tended our secretary for his kindness in arranging and overseeing everything for our comfort and pleasure.

Good feeling ran high and one member proposed that all the young ladies present should be made honorary members of the club. Being called upon to give their names he looked around in a dazed manner, seized his head, exclaimed "I am hypnotized," and collapsed.

The affair was a success in every respect. The delight in fishing, the fun and laughter over a game of quoits, the ramble through the woods, the eager gathering of wild flowers, all went to show that even florists enjoy a day of recreation.

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Galt, Ont.

Our horticultural exhibition was held here September 3, 4 and 5. The exhibit of fruit and vegetables was small but the display of plants and flowers, both in pots and cut, was good, even better than former years. The collection of native grasses exhibited by Wm. Herriott and G. R. Prescott is worthy of special mention. As regards the financial success the less said the better; only the boys say try again.

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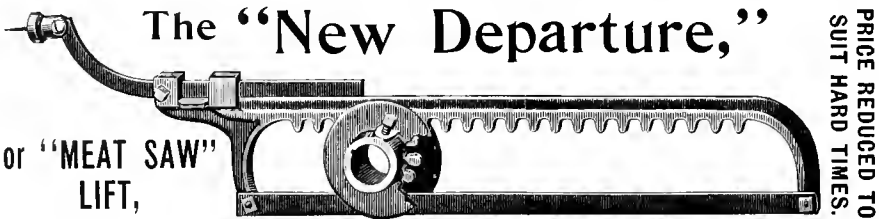
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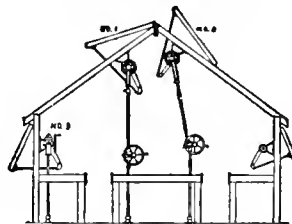
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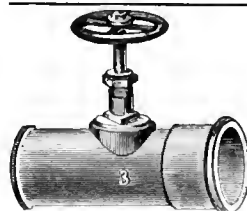
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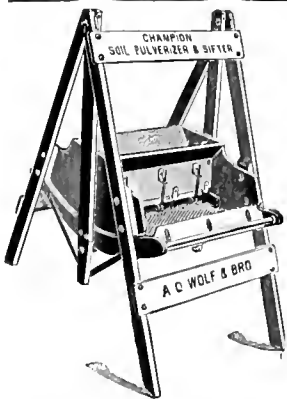
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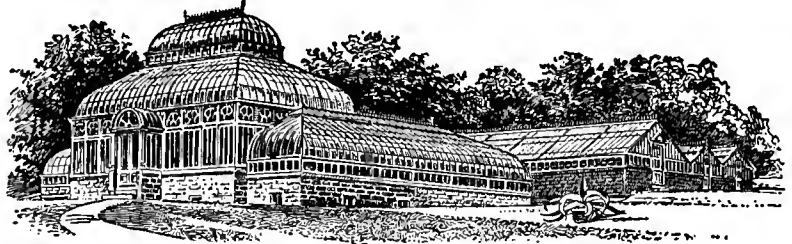
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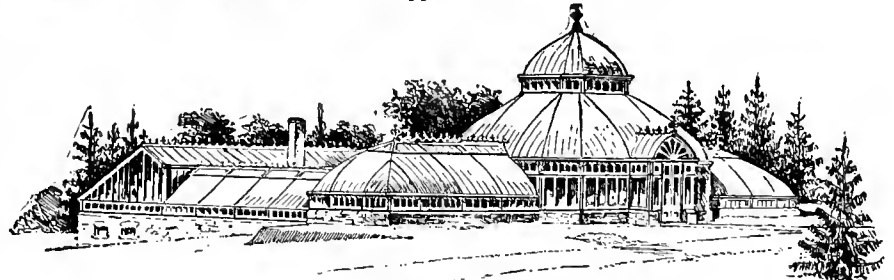
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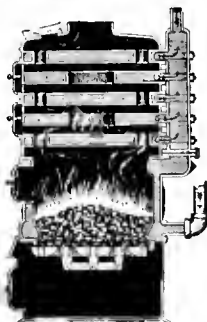
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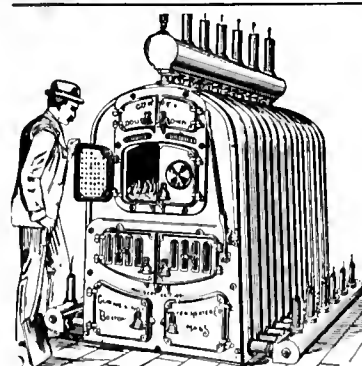
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# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XI.

CHICAGO AND NEW YORK, SEPTEMBER 28, 1895.

No. 382

## THE AMERICAN FLORIST

Copyright 1895, by American Florist Company.  
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY  
THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,  
P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

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EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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CLEVELAND, OHIO.—Peter Stepniak has gone into business here as florist and landscape gardener on Wooldridge Avenue, and has built two greenhouses each 12x60.

CLIFTON, N. J.—The firm of Wm. Tricker & Co. has dissolved, and the stock of aquatic plants belonging to the firm has been purchased by H. A. Dreer of Philadelphia. Mr. Tricker has entered the employ of Mr. Dreer, and will take charge of the aquatic department.



### Orchids for September.

Years ago in the tropics I remember, various phases in orchid culture puzzled me not a little. Plants of *Anæctochilus setaceus*, let us say, grow naturally in shady moist woods where the temperature ranges from 65° to 75° for the year. With a spade you lift this plant with a mass of its native soil, transfer it to a position beneath a north wall overgrown with climbers where the sun no more reaches it than it ever did, and it dies after a little while. You remove the same *anæctochilus* by wholesale and without any special care, pull them up, tie them in a bundle with some jungle creeper, and send them along for miles on the head of a coolie to an unshaded conservatory. Here some wire sheep netting is tacked to the uprights, stuffed full of available moss as little like their natural soil as it can well be, and the bruised and torn little plants are carelessly dibbled all over the surface. No special management can be indulged in, the building is full of plants deemed of far more value. The temperature for the year ranges from 60° to 100°, yet these plants sometimes for years grow more luxuriantly than ever they did in the woods, but they never perpetuate themselves by seed. They spread famously, but in the woods they rarely or never do anything of the kind, at any rate not in those woods. They receive more or less water overhead in the conservatory nearly every day; in their natural state there are more than half the days when they never receive one drop. Naturally they grow almost precisely as *Goodyera pubescens* grows; artificially both as to light, soil, water, temperature, and general conditions; their lot is seemingly very unlike nature indeed. This is successful cultivation, but why the paradox of the north wall near their own woods, on a rock work, in their own soil, and with but a few degrees difference in temperature. I would not like to say absolutely, for no observations were recorded but I have believed the difference lay in their being exposed to air currents which dried the atmosphere beyond their power of endurance, and kept them under a strain greater than they could bear. The sparse littleroots were unable to make up the incessant loss by evaporation, and after a while death ensued. Moreover their forest station was an extreme one both in elevation and dryness.

Such seeming contradictions occur in cultivation continually, both under glass and outdoors, and to the thoughtless

they are paradoxical. If the experiment stations should happen to find bacteria on such declining plants, we would probably be treated to a brand new bulletin, or maybe a full blown but outside professor would be found suggesting that the species had outlived the very convulsions of the earth's surface, that "mountain ranges were thrown up and the swamps drained of moisture"! so that the unfortunate stranded plant was glad to be set in a "barrel on a bog" or in a bunch of damp moss in a conservatory.

The cultivator may find paradoxes of many kinds continually, and there is usually but little need to seek for far-fetched reasons. The moisture not only of the soil, but of the atmosphere must be salutary to the species, or sooner or later it will cease to perpetuate itself, or if artificial means of perpetuation be resorted to it will probably become a prey to disease. Nature has defined the zones of habitation for her plants with considerable exactitude, and he will be the best gardener who truthfully learns the conditions of plant life in those zones, group by group geographically or species by species.

A large greenhouse will show us side by side plants which in a state of nature require the most wide and dissimilar range of conditions for their well being and perpetuation. Sometimes either through etiolation or excessive stimulation they show a stature and development impossible in the competitive life of their original surroundings, and we exult in our ability to excel the efforts of nature. Again we encounter a species which our best efforts can barely induce to advance at all, because the secrets of its life are hidden from us or carelessly read by us. In gardens and greenhouses our aim is to minimize competition, and to supply in an attractive and popular manner, natural objects environed as near to their requirements of light, moisture, heat, and general salubrity of atmosphere as we can attain to. But the lack of a single item of information may in spite of freedom from competition, in spite of everything, frustrate our effort.

Perhaps more attention has been concentrated on orchids than on any other order of ornamental tropical plants. And yet we are far from a simple understanding of them. It is as necessary to-day to paint their pictures as ever if we desire to retain a remembrance of their marvellous diversities, and for such as we select as being best adapted to our uses, we have not yet found the way to so propagate them that they can be enjoyed by other than a very few. With some species home propagation may be practiced, with others it cannot be economically compassed, and they must be increased in their own or similar climates. Naturally many orchids show decided preferences for particular host-trees; exactly how far



these trees are necessary to their highest development and reproduction has been but little determined as yet.

What we do know is that with a few species—a very few—we can produce a crop of flowers which we can sell at a profit, sometimes from home raised plants. sometimes from such as we import.

September will close a review of the year in North American gardens in which a few only of the most familiar and attainable species have been indicated for each month; 370 genera and 5000 species of orchids are known, and determined by scientists who have given attention to them, but few of which are worth growing. The multitude of names added by ill-advised botanists, collectors, and disseminators, to varieties with extra spots and frills of color, both naturally and artificially produced, probably passes computation. A recent list from the continent of Europe parades the invention of nearly fifty new names added to the host already borne by *Cattleya Mossiae*, and it is seriously expected that men can be found to wrestle with them. A much fewer names will answer for the florist, but the man who will make the most superb varieties surely and cheaply available will deserve well of his day and generation.

Among the most beautiful of the ærides is a variety introduced in recent years and called *Rohannianum*. It has a magnificent raceme of odoriferous flowers with a yellow lip, much after the style of *Æ. suavissimum*. The growth is apt to be somewhat miffy at times, probably from ignorance as to its climate, yet it propagates freely and flowers regularly during September and October.

*Ceologyne ocellata* is a free flowering free growing orchid for this season; objection is made to the way its color is laid on by some, however, the dark spots showing through the white instead of being laid upon it.

*Pleione Wallichii* is a much neglected little orchid with much the color and size of some of the smaller cattleyas, and quite useful for cutting, or rather pulling. It is deciduous, easy to grow and increase, but is commonly forgotten and dried to death during the season of rest, which is from July to January—with a sometimes invincible disposition to grow in November. It will often continue flowering from September to November.

*Saccolabium Blumei majus*, *S. guttatum* vars., and the deliciously sweet blue and white flowered little *S. celeste* will all flower during September.

Among the western orchids *Cattleya Bowringiana* is one of the best and most easily managed, propagated, and kept, being almost as good in that respect as *C. Harrisiana*, which latter commonly flowers a second time during this month.

*Lælia Dayana* and *L. Perrinii* are also due about this time, but neither are first-class florists' orchids to my thinking.

*Oncidium incurvum* is one of the few of the genus that is easy to increase, and its long sprays of dull pink flowers may be used occasionally; it will yield them in abundance.

*Oncidium varicosum* in varieties is a very useful orchid indeed, some of the varieties called *Rogersii* are superb in the purity of their color and in size. It grows very well too, but is one of those orchids which the tropical propagator should take hold of.

The same may be said of the very beautiful *Oncidium Jonesianum*, you can flower imported pieces superbly, but it cannot be propagated to advantage here, or kept in good condition very long—not

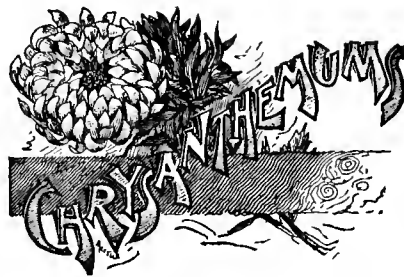
so far as I know. You get a bunch of a dozen pseudo bulbs maybe; but one or two of the new ones make roots; the rest gradually die and there is but little left to build upon.

*Mesospinidium vulcanicum* is one of the prettiest little things imaginable, with bright rosy pink flowers. Single bulbs easily make leads and flower if not entirely too old. Those who have it should propagate it, for collectors have been telling us for years that the volcanoes are burning it all up in its native woods! The genus has been called *odontoglossum* and *cochlioda* and so on, and I don't know at this writing which is to prevail. I do know that gardeners and botanists are far from being contented with each other, and that some reputable set of names should be adopted exclusively.

Such stanhoopes as *eburnea* and *occultata* flower about this time. Orchids outdoors should be housed, although I have kept several out until October southwards.

JAMES MACPHERSON.

Trenton, N. J.



Chrysanthemum Notes.

The extreme hot weather of last week (95° in the shade and 115° under glass) necessitated the liberal use of water, and in consequence the growth has been rapid and soft. The conditions will have a tendency to make those naturally late sorts still later, but with the welcome fall in temperature to 65° for this week, with clear sky and dry atmosphere will soon check this soft growth if all the air possible is given and the excessive use of water avoided.

Of the new varieties being tried for the first this season *Lady Fitzwigram*, an English variety, will be earliest with us, being well into color and in advance of *Mme. F. Bergman*. We doubt if it will have the petalage of *Bergman*, although the center may be well covered when finished. *Her Majesty* (sport from *Mrs. E. G. Hill*) and *J. E. Lager* come next (also in color) both are lully up to the average in height and the latter has exceptionally fine foliage.

The early dwarf varieties are favored this season with three new recruits, namely *Miss M. M. Johnson*, *Mrs. M. R. Parker, Jr.*, and *Nemesis*. These with us are not as early as those previously mentioned, but will follow in a few days. If they produce flowers that will stand the test they certainly will be valuable on account of their dwarf sturdy habit. They do not exceed *Ivory* in height and yet seem to possess sufficient vitality to be of easy culture. *J. H. Troy*, *Mrs. W. H. Weidersheim*, *Katherine Leech* and *Ezeta*, are also well advanced.

The dates for inspecting new chrysanthemums by the committees appointed by the Chrysanthemum Society of America will begin with October 12, and continue every Saturday up to and including November 23. These committees are composed of gentlemen fully up to date in all matters pertaining to the chrysanthemums, and it is to be

hoped all raisers of seedlings will not fail to submit their blooms to one or more of these committees. A complete list of these committees with dates, places of meeting and rules governing these exhibits, will be announced in the next issue.

ELMER D. SMITH.



Carnation Notes.

Early or late planting, that is the question, to settle it satisfactorily for yourselves go to Flatbush and call on the Dailedouze Bros. and ask them to show you their new house 20x200 filled with Scott that were planted before August 20, and if you don't plant early next year I am mistaken, for this house is a sight long to be remembered. The boys are now picking first-class flowers and in all probability will continue to do so through the season, as the plants not only show many flowers and buds but new growths in every stage.

There was a time when carnations would not sell during the season of chrysanthemums; not so nowadays. There is a demand for good carnations every month in the year. To produce good flowers it must be done inside, and to get them inside now the plants must be housed early and the fine blooms come not from buds partially developed outside, but wholly from new growth. Some sorts will develop buds that were started outside, but I think the majority will not.

To the readers of this column I will now say that with this number my year's work as a contributor to the *FLORIST* is done. If you have gained any points of value to you in growing carnations follow them up, but remember that your own judgment must be to a great extent your guide. No one can tell you on paper how to grow any plant, you must have patience and interest in the stocks you are handling, cater to the wants of your customers; grow what they want and as they want. If you can educate their tastes for higher grade flowers do so, for the improvement of all flowers should be the aim of every grower. Good bye.

CHARLES H. ALLEN.

#### Azaleas.

BY MR. THOMAS MANTON.

[Read at the August meeting of the Toronto Gardeners' and Florists' Association.]

The title of this paper, the azalea, is certainly a very wide one, and it is a difficult matter to confine what might be said on the subject to the proper limit of a paper for one summer night's meeting. The family to which these plants belong is scattered almost all over the world, some of the species being hardy enough to stand thirty degrees below zero, and others luxuriating in the heat and shade of the tropical forests of India. Many of the hardy varieties are very beautiful, and when the time comes that our people have the wealth and leisure to study horticulture as it is studied in Europe, they will be planted, and appreciated, in all our parks and gardens in situations suited for them. There are a few of them planted around our city now, but they are generally only starvelings, as the soil they are planted in is not suited to their





A TYPICAL GREENT NURSERY. BEDS OF TUBEROUS BEGONIAS IN FRONT AND PROPRIETOR'S RESIDENCE AT THE LEFT THROUGH AMERICAN EYES.

requirements. All the hardy varieties I am acquainted with are moisture loving subjects and require a free moist soil to do well in; and when they are planted carelessly, with lilacs, syringas, and other strong growing subjects, they get but little chance to do well, but just linger for a year or two and then die. When they get the soil they like they make fine, showy bushes, and light up the garden in the beginning of June as no other shrubs can; and there is no doubt when they are better known they will be appreciated.

The Indian and Chinese species of the family are the best known to us, and varieties of them are now imported by hundreds yearly to brighten up our houses from Christmas to Easter. Nearly all the plants used by our florists are grown in Europe, and hundreds of them through the careless handling they get, only live through the first season. They form by far the most useful hardwooded flowering plants we have for winter decoration. There have been great improvements made in them by hybridizing and cultivation during the last fifty years, and still greater improvements may be looked for in the future. A list of varieties published in 1845, supposed to be a full one of all the best varieties, contained the names of only two doubles, while now we have doubles, or semi-doubles, in all the colors we have singles; and, while single flowers are generally as handsome as doubles, they are not so durable.

The plants imported from Europe are mostly small standards grafted on the seedling stocks, generally, of a variety called *Phœneceia*, a strong growing variety that grows freely from seed. This has been found by English and Dutch

growers to be a good foster-parent, but is likely to be superseded by seedling stocks of a very free growing rhododendron that has been successfully used by several German florists. Plants grown on the latter stocks grow much more quickly into salable sizes, which is a very great advantage when grown for general commercial purposes. Some fine plants with heads three feet in diameter were shown at the World's Fair and were claimed to be only two years from the grafts. They were very vigorous, and flowered very well in the spring after they were imported.

As I have spoken of the careless handling the newly imported plants often get, I will give you my ideas of the treatment they should get to make them do well for several seasons, instead of being used up, as so many of them are, the first. When first unpacked the plants should be placed in tubs of water until they are thoroughly soaked; they should then be potted in the smallest sized pots they will go into without breaking their roots. The best soil to use is peat, but as that is hard to obtain here, I use a mixture of thoroughly rotted hops and light sandy loam in equal parts. There should be plenty of drainage in the pots, and the soil should be rammed in very tightly. After the plants are potted they should be placed in a cool house, with plenty of shade on. They should be syringed lightly every bright day and carefully watered. They like plenty of water, but must not get soddened. *Deutsche Perle*, *Punctulata*, and other varieties intended for blooming at Christmas, must be placed in a warm house by the end of October; but plants for spring blooming should be kept at a night temperature of about 40° and have

plenty of air on warm days. All growths that start from beside the bloom buds should be carefully picked out. Nearly all the varieties will stand a little forcing; and with care and a little judgment they may be had in bloom from the middle of December until the middle of May. After they have done blooming they should be placed in a warm house, syringed every day until they make their growth and begin to form their buds. While they are growing, all rank growth should be stopped so as to keep them shapely. When growing freely a little clear soot water is a great help to them. After they have made their growth, a cool, airy house, well shaded, is I think, the best place to summer them in. They must never want for water, and should never be over-potted.

I am sure they can be grown successfully here; but to raise them in quantities that would pay would need more special attention than most of us would be willing to give them. Some years ago a great many pretty little bush plants were grown down in New Jersey, on their own roots; but I suppose they did not pay, as I have not seen anything of them for ten or twelve years now. I know our American friends import Dutch stock by thousands. Several attempts were made in the southern states before the war to grow them for commercial purposes, and many thousands of seedlings were raised; but during the war they were all destroyed, and no doubt many fine varieties lost to commerce. Many European growers have remarked that although the plants grow much better in Europe, they flower much better here; but this is often said, with equal truth, of several other plants as well.

## Cinerarias and Primulas.

A subscriber from Cortland, O., sends the following: "Will you kindly give a beginner directions for the treatment of cinerarias and primulas. Have some seedlings now in 2-inch pots which have been giving me some trouble by damping off. Should they have any sun and how about the watering? Also give proper temperature."

For the hot summer months both of the above do well in a frame covered with glass shaded, but not heavy, and the sash raised back and front to give a copious amount of air passing over them. That's an ideal place, but you can keep them all right in the greenhouse with shaded glass and plenty of ventilation. From now on no shade is necessary, in fact much of it now would be a serious hurt to them. I have seen cinerarias damp off and die at all stages of their growth, but it is seldom that primulas are troubled that way. It is almost certain you have over-watered the cinerarias; they won't stand it. You cannot control the temperature in summer time. In the winter you can. They both delight in a cool house, 45° at night is plenty for cinerarias, and 50° is about right for primulas. The cooler they are grown the more robust they will grow. W. S.

## Sweet Peas Again.

## FROM A GROWER'S STANDPOINT.

It is to be hoped that Mr. Hutchins' vigorous protests against some existing conditions in the sweet pea seed trade may result in getting some superior stock on the market. The Rochester trade does not want any more cheap seed if better quality is to be had, but there are worse combinations than cheap seed with prices to correspond. Last spring, wishing to get back to the Eckford standard on some deteriorated stock, I bought a fresh supply from a specialist, at high retail prices and got the cheap seed after all, inferior to my own in almost every respect. Hereafter I shall buy only new varieties, as introduced, and keep up stock by selection. The plan I have heretofore pursued with several varieties is to mark each year, a few of the finest stems, those with four or more blooms and those with especially fine blooms. It seems as though most of these blooms fail to mature seed; but we get a few pods from each trellis. Next season this seed is sowed separately and early in the season, when the peas are at their best, this short row is gone over two or three times a week and all stems are cut which bear less than three blooms, or on which the blooms are inferior in color, size or shape. The seed that sets during this time is used for the main sowing the following season. Where one is striving only for general effects in size and color it is a simple matter as compared with Mr. Eckford's complicated selections; yet, it makes rather expensive seed when all the time is reckoned.

Of the white varieties, Emily Henderson leaves little to be desired as a market flower. Nothing that I have seen surpasses it for freedom or quality of bloom. Its chief drawback of requiring heavy seeding is forgotten when it begins to bloom. Indeed, I think it is one of a few varieties that sometimes bloom too profusely. Early in the season it ran largely to four blooms on a stem, and such stems! Too much like skewers to bunch nicely. Blanche Burpee produced 16% of weakly plants under unfavorable conditions in the open ground. The vines have steadily increased in vigor and in quantity of

bloom, and with another season's acclimating may come nearer the fine form Mr. Hutchins found at Wem. Many blooms with extra standards have appeared since the cool weather came, an indication, I take it, of increasing vigor. Having a slender stem it makes a more graceful bunch than the Henderson. Mrs. Sankey is a grand flower, but I find it too pink for market. Some of them come almost like Mrs. Gladstone, late in the season. Yet it is called "pure white" in most catalogues. Lemon Queen, from several sources, has been identical with Mrs. Sankey so far as I could see.

In pink, Mrs. Gladstone still heads the list with me. It is an exceedingly free bloomer, a delicate and most useful shade of pink, and a large flower. It is one of the first to feel the effect of dry weather, possibly on account of over-cropping. Blushing Beauty is a slightly deeper shade, so that after a day's exposure in a show window it is not quite so nearly white, but it has the hooded form which makes it appear smaller. In effect it is a Gladstone not fully opened. I have not found it so free a bloomer. Venus is a grand flower, but a shy bloomer. It seems to expend its energy in trying to produce a whole bunch of flowers on a single long stem. Besides a high average number of blooms to the stem there are many extra standards and wings, and when these are strongly twisted the effect is fantastic. These incurved forms, when the curving is not excessive, are very graceful and pleasing when one can see them in detail. But I do not think they make quite so large a bunch, and a tray full of Venus does not seem so effective, to me, as one of fully expanded Gladstones. A standard of Venus and one of Blanche Burpee were taken, each of which just covered the cut No. 4, on page 162 of the FLORIST, but the Blanche Burpee bloom appeared much the larger. Retailers complained earlier in the season that purchasers mistook the Venus for partly withered flowers! Its yellowish pink makes an even more effective combination with lavender than Gladstone or Blushing Beauty.

In lavender Countess of Radnor, when true to type, has not been excelled. But it is the worst "back-slider" in the whole list. It degenerates into a reddish mauve; it shows up a narrow standard with notches in the side, and finally produces a lot of undersized blooms. I fully agree with Mr. Hutchins that Countess of Radnor seed cannot be grown as it ought to be at present prices. New Lottie Eckford, the old Butterfly enlarged, is a large beautiful flower and the lavender which appears in it is a truer color than the Radnor; but it is not a self color and therefore not so useful a flower. It is as prolific of standards as the old Apple Blossom, three good sized standards on a bloom being not uncommon on thrifty vines. Princess May is no improvement on Radnor, and Madame Carnot has so much bright blue that it clashes with the other colors that are used.

Of other colors that I have tried Her Majesty, crimson; Lady Penzance, bright pink; Primrose, pale yellow; Stanley, deep maroon, and Firefly, bright scarlet, are all that I have found salable. With the exception of Firefly these are all extra large flowers and all are free bloomers and useful for bouquets. Having ample room we think them well worth growing for our own use. Her Majesty and Lady Penzance sell in moderate quantities; only occasional bunches of the others. I think the pale yellow will eventually become a standard color. It is especially

fine in combination with either Radnor or Firefly. Primrose is named in place of the newer Mrs. Eckford because I have found it larger. Probably my stock of the latter seed (from a specialist again), is only deteriorated Primrose. I had seed of Primrose in a mixture from Burpee in 1892, before it was catalogued separately in this country, and now get flowers of the very largest size, the standards with daintily ruffled edges. So much for selection. Stanley is Boreatton enlarged. We never think of making a bouquet without a few sprays of Stanley to bring out the more delicate colors, and it is surprising how a bunch of the dark maroon adds to a tray of Gladstone. Duke of Clarence is as large and dark as Stanley, but more of a purple and does not harmonize so well with other standard colors. Firefly is Invincible Carmine improved. They have one serious fault. The first bud to open on a stem almost invariably withers before the third opens, so that two blooms and a bud is all that one can get; but the buds are almost as bright as the opened flowers. Duke of York looks like a degenerate Blanche Ferry, and Rising Sun is not only small but, I think, positively homely. Lady Beauchamp is a beautiful flower but the colors are too faint for market. Its delicate pink and primrose tints require a favorable light and a combination with particular colors to bring them out. GEO. ARNOLD, JR.

## Grub Worms and Wire Worms.

In reference to the grub worms which are frequently found in the soil around young roses, and which cut away the bark at the base of the plant, would say that I have found an effective means of capturing them. It is simply to plant a few Snowflake daisies in between the roses. The grubs seem to prefer the daisies to any other plant and soon collect around them, when the daisies may be pulled up and the grubs captured and destroyed. This last is best done at about 10 o'clock in the evening. I have caught as high as 200 grubs under a few plants.

I have also found a good way to catch wire worms. I take a common mouse trap with four holes and set the trap the same as for mice with a little fat meat. This is placed in the houses and in the morning, when the trap is lifted, the wire worms will be found thickly packed on the meat, when they may be readily destroyed. J. GRATTAN DOYLE.

## Shifting Large Palmettoes.

ED. AM. FLORIST:—I have two large palmetto palms in tubs, which are hard to handle, as none of the old roots have been taken off when they have been shifted. Could I remove some of the roots and put them back in the same tubs with safety? Mrs. G. M. P.

New York.

Root pruning is a rather risky operation to practice with palms unless one has a well appointed greenhouse in which to nurse the plants afterwards, and the removal of sufficient soil from the old ball to enable the plants to be repotted into the same tubs would necessitate the removal of most of the best roots at the same time. It would be unwise to attempt such an operation so late in the season, for the plants would be likely to suffer from it during the winter, and a much better method would be to supply the plants with enough nourishment in the form of liquid manure to maintain



AVENUE OF PYRAMIDAL BAYS, GHENT.  
THROUGH AMERICAN EYES.

their vigor. Large palms when in a healthy condition do not need to be repotted more than once in two or three years, providing they are fed about twice a month with some liquid fertilizer of moderate strength. For this purpose, good stable manure in the proportion of about half a bushel to a barrel of water is the safest material, for while some of the artificial manures are more rapid in effect, yet there is more risk attached to their use in inexperienced hands.

W. H. TAPLIN.

#### The California Violet.

I would like to hear from some of the craft as to their experience with the new California violet. I planted 100 last May and they are not worth the lifting, being badly infested with rust and white spots on the leaves. Also a number of seed pods around each plant. Hope to hear from some of the readers of the FLORIST.

C. G. KNOTT.

St. John, N. B.

I ordered 50 of them last winter. When they arrived they were in very bad condition, many of them dying. No doubt the long overland journey was the cause of this and perhaps they heated in the box. The two dozen that survived soon began to make healthy young growth and were planted out in the open ground the last week in May. Although it has been a very dry summer the violets have grown finely and two weeks ago were lifted and put into the house. They are the picture of health and look like miniature rhubarb plants. I can see neither spot nor insect of any kind on them.

They have a number of flower buds showing but none out. If it flowers freely and the flower is sweet and salable it will be all right, for it is a most robust grower up to date. This is my experience with it.

W. S.

#### S. A. F. Reports.

ED. AM. FLORIST: While reading the very interesting account of the proceedings at the Pittsburg Convention the thought occurred to me how few comparatively of the florists of America have an opportunity to read the proceedings as published in full by the society in pamphlet form. Perhaps 1,000 copies will be printed and distributed to the members. The 8,000 or 9,000 florists who are not members derive no benefit from this information. I am aware that by the payment of \$3.00 dues a copy may be obtained, but the multitude are unable or unwilling to do this. The object of this note is to suggest that the proceedings be offered for sale at a reasonable price per copy. It seems to me if this were done now and the florists notified by adv't in our trade papers and requested to order at once, the S. A. F. could dispose of a large edition that would not only benefit the purchaser but be profitable to the Society as a source of revenue. It would also awaken an interest in the S. A. F. among those who have not attended the conventions and result in a largely increased membership at the next meeting.

D. R. W.

It is, I think, generally known that members of the society can procure extra copies of the annual reports by the pay-

ment of \$1.00 each, so that florists who are not members can get extra copies if they wish through this means, but in the past two or three years there have not been half a dozen copies called for under this privilege. Sometime ago I advertised under the title of "cheap reading" back numbers of the S. A. F. reports at 50 cents each to all applicants. Sales as a result of this did not reach half a dozen copies. In view of this I am convinced that your correspondent's assumption is unfounded and that he is mistaken regarding the hunger of the 8,000 or 9,000 florists for S. A. F. literature.

WM. J. STEWART, Sec'y.

#### Cocoanut Fibre.

What is cocoanut fibre and what is it used for? I notice it is referred to in European horticultural publications quite frequently, but not in such a way as to indicate what it is like, or of what benefit it may be in the cultivation of plants.

IGNORAMUS.

The cocoanut fibre referred to in various horticultural operations is a by-product produced from the outer husk or covering of the cocoanut during the manufacture of "coir," the latter being a valuable cordage material obtained from the long fibre surrounding the cocoanut. Among the chief horticultural uses of cocoa fibre may be mentioned its great utility in propagation, this substance being one of the best mediums in which to root cuttings of ficus, pandanus, crotons and various plants that are somewhat slow in rooting, from the fact that

it retains moisture without becoming sodden, does not produce much fungus, and does not contain any acid or saline properties.

It is also a much better material in which to plunge seed pans or potted plants than is spent tan or hops, and is useful for mulching flower beds or other stock that is planted outdoors.

Cocoa fibre has also been recommended as a soil for the germination of various seeds, but the experiments I have made in this direction have not been signally successful.

W. H. TAPLIN.

#### Buffalo.

There is every evidence at present that business is going to be better the coming season than it has been for two years past. It is booming up already. There is a good demand for flowers from the retailers. A look in at Long's emporium several times lately always shows a well cleaned up stock, or rather the stock is gone. Harmon & Burr sent in the first shipment of violets; no call for them yet, and the odor is the largest part of them, but those young men are going to have violets this winter, and no mistake about it. The silver dollar won't near cover a flower this year. The much talked-of violet disease seems to have vanished; anyone who handles violets intelligently no longer fears it, and I am seriously afraid that violets in this locality will get altogether too plentiful.

The writer put in three of the hardest days' work of his life in the village of Corfu last week. Carnations had to be planted, and a few thousand were planted; half a day at the Genesee county fair was quite a rest. Carrots, hayseed and hoss trot were all mixed up, but however meagre the attraction it's wonderful the crowd that attends. Buffalo, with her world famous race track, where the immortal Dexter made his 2.17½ twenty-seven years ago, cannot bring out such a crowd as do these county fairs. T. A. Webb of Corfu and W. S. were judges of the floral department, and as it covered an area of bench room about 40x4 feet they felt awfully fatigued when through, and had to go outside the grounds for recuperation.

This has proved after all to be one of the driest seasons in the memory of living man in western New York. Swamps that were never known to dry up are now as hard as hard tack, and wells that never gave out before have ceased to give forth their much-loved and inspiring product. T. A. Webb has a grand field of carnations, but had to stop planting for want of water. Mr. Edw. Giddings had 10,000 fine plants and has them all housed. Mrs. Tyrrell could not plant because the well went dry, but that trouble is over, as she drove a well down twenty feet in the rock and now has a flowing well. Mr. Edwards and Deacon Farnham are both planted. On the whole the carnations put in are far superior than those housed last year, many of the plants being considered by carnation authorities as too large to be profitable, all of which goes to show, none of these ever being watered, that watering carnations in the field is a fallacy and a fraud, no matter who advocates it or how handy your facilities for applying the liquid. Constant stirring of the soil, either with the hand hoe or the cultivator does the business. T. A. Webb has a house of Mermets and Brides that are very profitable, yielding fine roses just now, and this will be their third season in 4 inches of soil.

I believe I failed to mention before that Mr. Stroh of Attica has purchased the land and extensive houses formerly occupied by Mr. Fred Schneider. Mr. Stroh is not very tall of stature and not so very loud of speech, but all those who don't know him personally can take my impartial word that he is one of those genial energetic, intelligent and honest men who is going to cut a wide swath in horticulture before he slips off. As a carnation and violet grower Mr. Stroh has gone slightly ahead in quality of anything produced round here.

Mr. Mott of Riverton was here again, looking so they say as plump as ever, he said he would return shortly, which I trust he will. We had a call yesterday from Mr. C. H. Joosten of New York. After despatching a small amount of business we begged him to inspect one of those maple floored arrangements with which Buffalo abounds. With a little coaxing we induced him to try just one string game, giving him 60 as a starter and we were not in it; he made during the game four fostite—I mean first-rate—strikes, and was so pleased with the exercise that he intends to join the New York howling club, and I should certainly advise Capt. Leuly to capture and "sign" such a promising colt at once, for he does not suffer with stage fright in the least.

There is great excitement here among the shooters over the coming visit of the Quaker City cracker. There is a good deal of dismay mixed up with the excitement, and after that dreadful exhibition at Pittsburg no wonder. We have dreams of Peoria blackbirds sailing away untouched. Joe Rebstock woke up in a frightful state a few nights ago, dreaming that a bird missed by Henson had hit him on the nose, but it was only a piece of plaster fell off the ceiling of his bachelor bed room.

I know of no better place than here to acknowledge the great pleasure it gives me and doubtless thousands others to read the letters in the *FLORIST* by Mr. Kift, "Through American Eyes." There is nothing more edifying. It is by comparison that all things are weighed, measured and viewed, and these notes are a great educator, especially to those who never had the privilege of a European tour. He that says "They can't learn us nothin'," "We're ahead on um," "Old country folks is too slow," etc., never having been there should take a trip. I would sooner give a son of mine one year's observation in Europe than 10 years of Harvard.

W. S.

#### Cincinnati.

The nights have been quite cool the past week. Growers say that a good hard frost is just what is needed at this time to start things off with a vim. Business is improving, and while there is nothing special to make note of the increase in trade is quite observable. Prices remain about the same, accounted for by the fact that more growers are coming into the market every day or two. There are some fifty to sixty growers, and probably more, and their number is steadily increasing, who bring or send their own men in with their stock every morning. This is peddled from store to store until it is all sold or the trade is supplied, and the balance—well, the least said about the balance the better.

The best teas are bringing \$4 to \$5 per hundred, the seconds and smaller ones \$2 to \$3; Beauties 75 cents to \$1 per dozen, and at times the market is well supplied. Quite a few growers have not commenced

to cut these roses yet, preferring that these crops should come in a little later. Carnations are still \$1, the most being cut from outdoors. Valley 4, smilax 12 to 15.

When will you have chrysanthemums? is now an every-day question in the stores and in the market, and it is a hard one to answer. Most of the growers say anywhere from the 12th to the 20th of next month will be the earliest; on all sides comes the report "We never had them finer," and some say they will excel all previous stock they have ever had.

Wm. Bolia was in the market Saturday shaking hands with the boys again. William had quite a long spell of sickness, and they were all glad to see him out again.

P.

#### EXHIBITIONS.

Following is the schedule for the exhibitions at the regular monthly meetings of the Cincinnati Florists' Society:

##### OCTOBER MEETING.

- 12 spikes of Crozy cannas, not less than 6 varieties
- 12 trusses of geraniums, in 12 varieties.
- 3 varieties of roses, 6 buds each, any commercial cut flower kind.
- 3 varieties carnations, 12 flowers each, scarlet, white and pink.
- One variety in roses and carnations will be considered, if grower does not possess more.
- 20 blooms abutilon, different varieties.
- 1 bloom any variety chrysanthemum in good condition at this time.

##### NOVEMBER MEETING.

- 1 bloom of chrysanthemum, each variety that a grower possesses, under proper name and must be in commerce.
- 6 roses, any commercial variety, and as many varieties as a grower may possess.
- 12 blooms carnations, each variety. Seedlings not allowed in this class.
- 50 blooms violets, with own foliage.
- 3 pots cyclamen plants in 3 colors.

##### DECEMBER MEETING.

- Roses, carnations, violets and chrysanthemums to be displayed as in November.
- 12 spikes of Roman hyacinths.
- 12 spikes of paper white or grandiflora narcissus.

##### JANUARY MEETING.

- Roses, carnations and violets, Roman hyacinths and narcissus, same as November and December meetings.
- 12 blooms lily of valley.
- 12 blooms freesia
- 12 blooms Duc Von Thol tulips, separate colors.

##### FEBRUARY MEETING.

- Roses, carnations and violets, same as former meetings.
- 12 blooms, each, or any variety of tulips and narcissus.
- 12 blooms lily of valley, freesia and Roman hyacinths.

##### MARCH MEETING.

- Roses, carnations, violets, tulips, narcissus, valley, etc., same as former meetings.
- 3 Dutch hyacinths, 3 colors, in pots.
- 3 primroses (chineseis), in 3 colors, in pots.
- 1 Harrisii lily, not over 6-inch pot.
- 3 market geraniums, 3 varieties, 4 inch pots.
- 1 plant hydrangea, any variety, not over 10 inch pots.
- 2 plants Azalea indica, 2 colors, not over 8-inch pots.

##### APRIL MEETING.

- Roses and carnations, same as former meetings.
- 25 cut blooms sweet peas, any color.
- 25 blooms marguerites
- 3 pots Dutch hyacinths, 3 varieties.
- 3 pots tulips, any varieties, and any size pots from 6-inch up.
- 2 pots Harrisii lily, 1 bulb to pot, no limit to size of pot.
- 2 pots Rex begonia, not over 6-inch pots.
- 2 pots blooming begonia, no limit to pot.

##### MAY MEETING.

- Roses, carnations, valley and sweet peas, same as former meetings
- 6 verbenas, 3 inch pots, 6 varieties.
- 6 geraniums, 4-inch pots, 6 varieties.
- 6 fuchsias, 5-inch pots, 6 varieties.
- 12 alternanthera, 2½-inch pots, 3 varieties.
- 6 coleus, 3 or 4-inch pots, 6 varieties.
- 3 petunias, 5 inch pots, 3 varieties.
- 50 blooms pansies, all styles and colors.

##### RULES.

All novelties of carnations will be judged according to the rules and regulations as adopted by the American Carnation Society, and will be judged whenever the owners of such varieties will inform the committee

Chrysanthemums will be judged under the rules





VIEW AT THE CANNA SHOW OF THE NEW YORK FLORISTS' CLUB.

of the National Chrysanthemum Society, especially seedlings. Any plants or cut flowers not mentioned in the schedule will be admitted and judged.

Plants and cut flowers will be judged separately and in a collection, and certificates awarded for same. The party receiving the largest number of certificates during the months mentioned for plants and cut flowers will receive a gold medal that can be worn, and same will be appropriately engraved. The judges appointed are as follows: Theo. Bock, Fred. S. Walz, H. I. Sunderbruch.

#### New York.

The New York Florists' Club had every reason to feel proud of its canna show in number and excellence of varieties shown. But influences beyond human control worked adversely, and much disappointment was the result. Weather more unfavorable for a canna show would hardly be possible. The exhibits filled about one hundred and fifty large vases and fully half of these were drooping badly when removed from the boxes. The balance, that looked well at the outset, required but an hour or two of exposure to the torrid atmosphere to get into almost equally bad condition, so that towards evening the greater part of them presented a most disheartening appearance.

There was much enthusiasm among the exhibitors and each was anxious to convince his neighbor that his was the purest yellow variety up to date. F. R. Pierson Co. staged a magnificent collection of named varieties, Peter Henderson & Co. likewise. James Dean showed a lot of promising seedlings. The judges awarded to J. S. Cowles a certificate of merit for Mrs. Fairman Rogers, which was by general consent the finest canna in the hall. To F. R. Pierson certificate of merit for Eldorado and F. R. Pierson. To James

Dean honorable mention for Defender, a seedling which might have received a certificate without any question as to the justice of the award. It was the most decided break from established types and had many excellent points. Mr. Dean was also highly commended for Orienta. W. L. Swan of Oyster Bay and A. Gilchrist of West Toronto Junction, Canada, contributed also seedlings of merit. John White's Golden Queen was a notable clear yellow, and among Jas. Dean's seedlings there was a fine yellow. From John Egan & Son came a yellow spotted seedling of bold habit and undoubted excellence. The judges were Messrs. Webber, Barron, Jos. A. Manda and Zeller. Prominent visitors were J. S. Cowles, Newport, R. I., M. Barker, Ithaca, N. Y., and Mrs. E. S. Starr of the Philadelphia *Public Ledger*.

The hot spell has piled up the surplus of cut flowers, roses particularly, in the most discouraging manner. It has been impossible to maintain quality, and roses that started from the greenhouses in good shape, apparently, were just fit for the dump when they reached the city. A decided drop in the mercury will improve the quality and shorten up the supply so that living prices will be in order again. The retail stores are beginning to make some effort at decoration, the windows giving evidence of an effort to attract customers, but as yet trade is exceedingly slim. Extra quality flowers seem to have the call where any call exists. The bilious looking green carnation has made its appearance once more, this time only in the hands of the street fakirs, and it is to be hoped that no self-respecting florist store will ever again exhibit this abomination for the public eye. Not much is seen yet

of the new roses that are on the market for the first time this year. Those who are growing Belle Siebrecht praise its free blooming characteristics, but there are no buds of this sort yet on sale with the wholesalers. Mrs. Morgan is sent incognito with the Cusins, and this course will be followed until it comes in quality which will do it credit; a good idea and worthy of imitation in the case of all new roses. First impressions count.

W. H. Young of Clifton has enlarged his borders once again and has leased the John Reid place at Jersey City. Meteors and Testouts are among the prospective crop, and if W. H. does them as well as he does Beauties he will be able to lease a couple more places next season.

Alex Burns is mourning the loss of a good horse, harness and wagon which disappeared from his place at Woodside on the night of September 20, also five hundred carnation plants which went with the wagon to boot. The thieves also got away with a set of harness from W. Amos of the same town.

Tuesday, September 24, was a gala day with the auctioneers. Wm. Elliott's voice was keyed up to concert pitch as he dilated on the bargains which were going, going, gone, and at A. & F. Rolker's a big crowd made lively bidding for the palms, rubbers and other ornamental plants to which W. K. Harris had given a personally conducted tour from the City of Brotherly Love.

The next meeting of the New York Florists' Club will take place on the evening of Monday, October 14, when Mr. Leonard Barron of *American Gardening* will deliver a lecture well worth listening to.

H. Pfister, gardener at the Executive



Mansion, Washington, with Mrs. Pfister, passed through New York September 19, returning from a three weeks' sojourn at eastern coast summer resorts.

Charles Thorley and Geo. M. Stump have both returned from Europe and Mr. Bridgeman has resumed his duties at Thorley's, fully recovered from his recent illness.

Mrs. H. H. Berger and Miss Berger of San Francisco, Cal., are among the notable visitors to New York.

Mr. F. D. Hunter has resigned from his position as manager of the N. Y. Cut Flower Company.

St. Louis.

Business continues to improve gradually. Local demand for the better quality of stock is now fairly steady. The cooler weather has encouraged the retailer to carry a larger stock, something he hadn't thought of doing for months past. Roses are not plentiful; American Beauties are very scarce and in great demand, but the increased demand has made no impression on prices in general. Carnations have advanced a little, the best going as high as \$1, and 75 cents for the bulk. Violets of the small single variety have made their appearance.

A. L. Vaughan of Chicago was a recent visitor.

Mrs. Devoto has moved her floral store to northwest corner 21st and Market streets.

The Riessen Floral Co. have been very busy of late with floral designs for the theaters; they also have the contract for decorating the new Oriental Theater at 17th and Pine streets.

During the past week the Jordan Floral Co., Ostertag Bros., Beyer Bros. and Sanders & Beneke decorated large stores down town at their openings.

At the Bowling Club Monday night, September 23, the Chinese were again defeated by a score of 3276 to 2927. C. Beyer, captain of the Japs, rolled 298 in the first game, having eleven strikes and in the twelfth frame he made eight pins; his total in three games was 696. The Chinese are very weak and will have to be reinforced. Here are the scores of the three games rolled:

JAPS.				
	1	2	3	TOTAL
C. Beyer . . . . .	298	223	175	696
J. W. Kunz . . . . .	136	224	153	513
E. Schray . . . . .	180	199	218	597
F. Weber . . . . .	203	142	165	510
C. C. Sanders . . . . .	140	162	178	480
A. Waldbart . . . . .	155	177	148	480
Totals . . . . .	1112	1127	1037	3276
CHINESE.				
	1	2	3	TOTAL
J. J. Beneke . . . . .	177	166	169	512
J. Young . . . . .	160	126	113	399
C. A. Kuehn . . . . .	219	173	182	574
H. Young . . . . .	183	176	170	529
F. Fillmore . . . . .	193	148	114	455
D. Helwig . . . . .	150	157	151	458
Totals . . . . .	1082	946	899	2927
J. J. B.				

Providence, R. I.

The semi-centennial of the Rhode Island Horticultural Society was celebrated at Providence on the evening of September 25, by a reception and banquet, in connection with which a very attractive exhibition of plants and flowers was given. About one hundred and fifty members and guests sat down to the banquet table.

President L. W. Russell welcomed the guests, and was followed by Hon. A. M. Eaton, who gave a brief sketch of the society's history. Of the twenty-six original members but one, Mr. Geo. W. Chapin, survives. The next speaker was Gov. Lippett, whose address showed a

most gratifying familiarity with horticultural matters. For Rhode Island he said it was the state which could show more good things to the square inch than any other in the Union. President Parker of the Worcester Horticultural Society made congratulatory remarks on behalf of that organization. O. B. Hadwen spoke for the Massachusetts Horticultural Society. Leonard Barron presented greetings and good wishes from *American Gardening*, and W. J. Stewart performed a similar office for the AMERICAN FLORIST, the Society of American Florists and the Boston Gardeners' and Florists' Club. Other speakers were Hon. J. W. Washburn, president of the College of Mechanical Arts at Kingston, Jas. Draper of Worcester, Prof. Wheeler of the Agricultural College, Ex-Gov. Tappan, Miss Sarah E. Doyle, and the Rev. Mrs. Spencer. The occasion was a most enthusiastic and inspiring one, and it was demonstrated by the sentiments expressed that the Rhode Island society is exercising a beneficent influence for the advancement of horticulture in its higher phases.

The musical part of the program was well taken care of by a fine orchestra and Miss Nellie Green, who sang very prettily. The contributors to the exhibition were Wm. Appleton, Mrs. T. P. Shepard, Mrs. T. P. I. Goddard, Jas. Nisbet, who staged decorative plants, N. D. Pierce, and Farquhar Macrae, who showed fine collections of carnations, among Mr. Pierce's being some promising seedlings.

Boston.

Transplanting and rearranging at the Arnold Arboretum has interfered with the development of plants in the trial grounds and order beds, so that the value of much of the new material cannot be fully determined until after another year. It has been a most laborious season for Mr. Dawson, but although oftentimes too busy he is never too tired to trudge with the visitor up and down, round and about among the plants and shrubs which are to him almost things of intelligence, and as he handles them and calls attention in his inimitable way to their peculiarities and good points his hearers soon find themselves under the spell of his enthusiasm and begin to see wondrous beauties to which to they had hitherto been blind. Wherever Mr. Dawson goes about the grounds a handsome black and white cat is his constant and devoted follower, and it would appear as though the personal magnetism that captivates the visitor, and which seems to make every plant and tree grow and flourish under his care as nowhere else, extends its influence over the brute creation as well.

Among the most promising novelties is a new hydrangea, of which the seed was collected in Japan by Prof. Sargent. The plants have not flowered yet, but there is great merit even in the foliage, which is very large, dark green and leathery, resembling that of some of the magnolias. A new Berberis Thunbergii raised from seed by Mr. Dawson has narrow pointed foliage about one-fourth the size of the type. A Salisburia adiantifolia from seed gathered at Wing's tomb in China has large and very deeply lacinated foliage, quite distinct in its way. A most interesting form of the Pinus Strobus is one that trails on the ground like a juniper. This was found by J. W. Manning in Reading, Mass. Another useful little evergreen is Pinus sylvestris globosa, a very dwarf and round headed form.

Clerodendron trichotomum from Japan

is now flowering for the first time here, the past winter being the first one in which it did not get badly killed down. The flowers are white, dainty and deliciously scented. This much cannot be said of the foliage, however, which when handled smells about as bad as it can. Clematis orientalis, which while not new is yet very scarce, bears yellow flowers that are quite pretty. It is a constant bloomer, and is now covered with flowers and fruit together. Hydrangea stellata, var. fimbriata, with beautiful pink fringed flowers, has proved to be perfectly hardy, and is quite an acquisition.

Among fruiting shrubs the loniceras are at this season the most beautiful. Lonicera chrysantha from the mountains near Pekin bears yellowish flowers and bright currant red berries, the latter hanging on all summer. The yellow barked Cornus stolonifera introduced by Mr. Manning last year is an elegant shrub at any season of the year. The fruit is abundant and pure white. A form of Ilex verticillata found in the town of Oxford a few years since bears yellow fruit and makes a fine contrast with the red berried variety. Rhus Osbeckii, which Mr. Dawson designates as one of the finest small trees, is now in fruit for the first time with him. Among euonymuses none are more beautiful than E. Americana, var. obovata. It has a low, close habit of growth, and the fruit, which is unusually large and bright scarlet, is produced in great abundance.

Little can be said regarding the cut flower business at present. The extremely hot weather which has prevailed over the rest of the country did not overlook us, and did its full share in this vicinity for a brief period. The effect on flowers has been disastrous, and on customers equally so. The quality of all varieties of market flowers has suffered severely, and there is an abundance of everything, such quality as it is, to meet all demands.

George Cartwright has resigned his position as manager for the Growers' Market, his greenhouses requiring his whole time and attention at this season of the year. His successor will not be appointed until the annual meeting of the Association, which takes place on the first Saturday in October.

The special attraction at the meeting of the Gardeners' and Florists' Club on October 1 will be Mr. Chas. H. Allen, who will address the club on "The Specialist." The popular president of the New York Florists' Club should be welcomed by a large audience.

Saturday, September 21, was aster day at Horticultural Hall. George Hollis and Mrs. P. D. Richards were the principal exhibitors. Mr. Hollis showed 38 species and 10 garden varieties of perennial asters, making a grand display. A dozen plants in bloom of Nerine sarniensis, var. corusca, were shown by the Harvard Botanic Garden. R. & J. Farquhar & Co. filled two tables nearly the entire length of the hall with a collection of cannas, gladioli and flowering annuals. The cannas showed the effects of the dry and hot weather. The Misses Eleonore and Mollie Doran made their usual attractive exhibit of wild flowers, all neatly labelled with the botanical and the popular names.

Wm. Dawkins, formerly foreman at the Arnold Arboretum, who went home to Old England a few weeks ago, has returned fully convinced that New England is about as good a place to live in as anywhere on the globe.

The newly organized Mushroom Society met in Horticultural Hall on Satur-

day, September 21, about fifty ladies and gentlemen being present. There was an interesting display of native fungi on the table. The next meeting will be held on October 5, when the members will make an exploring trip to Lynn.

Elizabeth, daughter of Thos. H. Mead, died on Tuesday, September 17, after an illness of but two days. She was 13 years, 5 months old.

Wm. K. Harris is to have a sale of plants at Hatch's auction rooms on Wednesday, Oct. 2. Here is a chance for the florists of the Hub to get some first-class palms. Mr. Harris' stock is now in splendid condition. We have never seen it looking better. The collection offered is a varied one, and does not contain anything but the very best.

#### Philadelphia.

The weather the past few days has broken all records for this season of the year. Even the oldest inhabitant had to give in and acknowledge that in his long experience he could remember nothing to equal it. The thermometer has registered above 100° in the shade several days the past week and 90° was regarded as quite comfortable. It is a trifle cooler at this writing and hopes are entertained that the worst is over. In addition to the extreme heat the country within fifty miles of this city has had no rain since the 4th of July. Corn has shriveled upon the stalk and the leaves are as dried up and yellow as if they had been cut for a month. Except where the grass has been constantly watered it is as brown as the soil it is growing in. The leaves of the trees have a faded wilted appearance and all landscapes are anything but beautiful to look upon.

The growers are getting in their carnations, preferring to take the risk of moving while dry, rather than wait any longer for the rain that seems as far off as ever. Some that have been housed for a couple of weeks are doing nicely and seem much benefited by the change. The 'mums are looking well and from some quarters comes the news that their first cut will be ready by the 5th. We have not heard much of the disease so prevalent last season, so the stores had better get ready to handle a large output. Considering the torrid weather the stock of flowers coming into the market now is quite varied and of good quality. In roses Beauty leads in demand and the price for the present first quality is \$12 per hundred. Quite a number of growers have not commenced to cut this rose and will not for some time to come, preferring to get strong plants for bearing later on when the price is better. La France, Brides and Kaiserin are of fair quality and bring \$3 for the best, Meteor sells for the same and is in good demand; \$2 is high for Maids and Mermets. A few nice flowers of Belle Siebrecht are to be seen and it looks as if it would find a place in the first division. At Robert Craig's Mrs. Morgan is growing finely, but no flowers are being cut as yet.

Carnations are to be had in all colors with good stems and some with quite large flowers, Daybreak, McGowan, Scott, Buttercup, Kresken, Portia and Ophelia seem to be the favorites, while a few small lots of seedlings are bidding for public favor with varying success. They don't keep long however, two days being the limit for the best of them. Asters are about done. Hydrangea paniculata is dried up on the plants. Dahlias are almost as bad, in fact there are none coming in, we cannot recall such a dearth of

outside flowers at this season before. Business is picking up a little, houses on prominent residence streets are commencing to open up and the fashionable quarter of the city begins to show signs of life.

The Dablia Society had planned to have quite an extensive exhibition early this month, but were obliged to postpone until the first week in October, hoping for rain. Now it is announced that the show is off altogether for this season, as it will be impossible to make a display that would be a credit to the organization.

A "welcome home" dinner was tendered to Messrs. Robert Craig, John N. May, Joseph Kift and Robert Kift, at Dooner's Hotel last Saturday evening. It was a very enjoyable occasion to all present. Mr. Craig gave a very interesting account of his trip and the impressions he formed of the people and places he visited. He especially referred to the French and to their united efforts in rendering their cities and country beautiful and artistic by works of art and grand examples of architecture. Their magnificent buildings and monuments were lasting memorials of their love for their country and her heroes. Mr. May also spoke at some length and gave pleasant reminiscences of his visit. He spoke of Mr. Geo. Monroe, a commission fruit dealer, grapes, hot-house tomatoes, etc., who does a business annually of over £3,000,000 sterling, \$15,000,000. He also handles cut flowers. Mr. Kift also gave an account of what had interested him. Messrs. Craig and Kift are to give a more extended account of their trip before the next meeting of the Florists' Club. There were present from outside of Philadelphia Messrs. J. C. Vaughan of Chicago, Mr. Braslan of Minneapolis and Mr. Haines, formerly of Philadelphia but now of Minneapolis and Mr. Henry Holzapfel, Jr. of Hagerstown, Md.

S. S. Pennock, our obliging commission dealer is branching out, his business has outgrown his at one time large quarters and he it now erecting a three story building a short distance from his present location on premises 1612 and 1614 Maloy street. The main salesroom will be about 40 feet by 30, on the first floor with a cellar underneath of the same dimensions. The place is to be fitted out in the best style with commodious ice boxes and the necessary counters behind which the storekeeper ventureth not or his dignity will be made suffer. He expects to occupy the new premises about the middle of October. A general invitation to inspect will no doubt bring out all the boys. K.

#### Chicago.

At a meeting of the executive committee of the Horticultural Society of Chicago held last Monday Battery D. was selected as the place for the annual chrysanthemum show, and other details in regard to the exhibition finally acted upon. Several interesting new features are promised at this exhibition, and it promises to be fully up to the best of its predecessors. Mr. W. N. Rudd will be superintendent of the exhibition. Intending exhibitors who have mislaid their copies of the premium list may secure additional copies by addressing Mr. W. N. Rudd, Mt. Greenwood, Ill. The daily press is already displaying interest in the exhibition and seem anxious to give the details wide publicity.

At the meeting of the Florist Club last Thursday evening the committee on excursion reported all arrangements completed as per prior announcement.

The principal business of the evening was the taking of formal action on the charges preferred by Mr. T. J. Corbrey against Mr. E. F. Winterson. Both the accuser and accused were present. The written charges presented at last meeting in which Mr. Corbrey charged Mr. Winterson with being a "detected and confessed thief" were read. Mr. Corbrey then stated that during his absence in California Mr. Winterson had robbed him of a considerable sum of money, his method being to retain a portion of the amount when cash sales were made. He stated further that upon being first charged with dishonesty the accused had over his own signature acknowledged having taken about \$1,500, which amount had been returned, but that later he had claimed that the amount did not exceed \$500. Mr. Winterson being called upon to offer defense stated simply "I have nothing to say." This left the club no discretion except as to the penalty, and by a unanimous vote Mr. Winterson was expelled from the club.

This action having vacated the office of financial secretary Mr. J. S. Wilson was appointed to fill the office until the annual election, which will take place October 24. It is but just to Mr. Winterson to state that his accounts as financial secretary of the club seem in excellent condition, and he asked that his books be audited before turning over to his successor.

The subject for the next regular meeting, which will be held October 10, will be "The chrysanthemum," and papers are expected from two of the most successful growers for this market.

Only two games were rolled by the bowlers after the meeting. Scores were as follows:

		average
J. S. Wilson . . . . .	156	234 195
A. Ringier . . . . .	136	151 143
G. L. Grant . . . . .	150	142 146
Chas. Held . . . . .	201	176 188
Von Bergen . . . . .	93	110 101
W. L. Palinsky . . . . .	76	88 81
T. J. Corbrey . . . . .	140	
A. McAdams . . . . .	95	

Although prices remain much the same as last week, the general attitude of the market is improving. At the present time there are literally no flowers in the market except roses and carnations. Cosmos, which has heretofore showed in appreciable quantities by this time, appears to be non-existent. Dahlias have not appeared at all—the summer has been too much for them. Asters are over. Gladiolus is gone, and of course retailers now begin to ask for it. Album and rubrum lilies have been scarce all summer, and now seem out of the market, and the retailer who wants to add a finish to a cheap funeral piece finds himself in a quandary. Tuberoses are not very plentiful, though there are plenty coming on inside. Valley is not plentiful, Bassett & Washburn being about the only local growers who have kept up a constant supply.

Last week roses kept growing smaller by degrees and beautifully less, but the cool nights and bright days this week are improving them. Prices run \$1.50 to \$3, Beauties \$1.25 to \$2 a dozen. The carnations are all housed now, and very good flowers are seen in some varieties, where the stock is persistently disbudded. Lizzie McGowan from Otto Mailander is extra good. Tidal Wave is fine, and a few Lizzie Gilbert come in. Daybreak is poor yet. This variety has proved of very little value from outside, as it discolors so badly.

J. A. Merrifield & Co. is a new wholesale commission firm that has started in

at the corner of Lake street and Wabash avenue.

The Lincoln Park Board asks for \$364,010 for expenses for the ensuing year.

Poehlmann Bros. of Morton Grove intend to join the Wabash avenue colony of wholesale dealers shortly. About the end of this month they will open a salesroom for the disposal of their own stock on Wabash avenue near Randolph street.

M. J. Brake has bought out the retail business formerly owned by J. Strickland at 6217 Wentworth avenue, Englewood.

Visited Chicago: F. Edward Gray, Alhambra, Cal.; Henry Evans, gardener at Boys' Industrial School, Lancaster, Ohio.

#### Toronto.

The regular September meeting of the Gardeners' and Florists' Association held September 17 was very well attended, many new members being present. Routine business was put through in quick time, another cricket match arranged for and then there was a long discussion on judges for the coming chrysanthemum show. It was finally decided to have three judges, one for cut chrysanthemums, Mr. F. G. Foster of Hamilton, one for chrysanthemums and miscellaneous plants, Mr. Geo. Vair, late gardener and steward to Sir D. Macpherson, and the other for roses, carnations and floral designs, Mr. Bennett of Montreal.

The city has now about quieted down to its normal state after the exhibition excitement. Schools are all running again and the upper ten have mostly returned from Europe and the seaside, but as outside flowers are still in their glory there is no great demand for florists' stuff yet. For the last few days we have been sweltering in a midsummer heat which reached 93° in the shade but we are promised a cold snap in the near future.

E.

#### Grand Rapids, Mich.

At the last meeting of the Florists' Club a very interesting and exhaustive paper was read by the city florist, Vensel Cuchurski, on "Ornamental bedding plants." Mr. J. A. Creelman read a short paper on "How to make a flower show a success." There is no lack of interest in the club by its members and all agree that it is what has been needed for a long time and has now come to stay.

The late rains came in nicely to help the carnation crop, which at this date is about all housed, and contrary to expectations the plants in most cases are larger than last year.

F. M. Strong has sold his entire field of carnations to a prominent dealer in Chicago and will ship them soon.

The contract has been let for the erection of the new front to our city greenhouses and it is amusing to hear the diversity of figures ranging from \$1,300 to \$11,000.

'Mums are growing finely and every florist is crowded with them. How our streets will glow during November!

William Scott is back and has been engaged by the Central Floral Co. Mr. S. has been spending an extended honeymoon in Canada and the east.

George Bolton has also been affected the same way and taken to himself a wife from Toronto, Canada. If the stories of the winds be true there will be more of it and the club is seriously thinking of having a hallelujah banquet.

C.

#### Louisville, Ky.

There is a movement on foot to purchase the claims against the assigned firm of Nanz & Neuner at 25 cents on the dollar, which the assignee, the Fidelity Trust and Safety Co., considers will be a very good settlement.

The Neuner Floral Co. has purchased the stock and greenhouses of the Hatcher Floral Co. (formerly A. Lauer) and will begin business October 1. A. A. Neuner is general manager.

The Kentucky Society of Florists has completed arrangements to hold the 6th annual chrysanthemum exhibition November 5 to 9. Copies of the premium list may be had on application to the Secretary, Mr. H. Nanz, Fourth avenue.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

**SITUATION WANTED**—In large store by a young man as cut flower artist.  
H C D, care American Florist.

**SITUATION WANTED**—By competent florist and gardener; single, good all-round man. Address  
K W, 349 Luckie St., Atlanta, Ga.

**SITUATION WANTED**—By gardener and coachman. Speaks perfect English and German. Single man. C. SCHULZE, 111 President St., Brooklyn, N. Y.

**SITUATION WANTED**—By a first-class grower of roses, carnations, chrysanthemums, palms, orchids, etc.; married, one child. Address  
H W, care American Florist.

**SITUATION WANTED**—By a practical grower of roses, carnations, decorative plants, and forcing of bulbs, to take charge. References O K. When applying give particulars. Address FLORIST, 1611 Chestnut Street, St. Louis, Mo.

**SITUATION WANTED**—As foreman or manager; practical in all branches, roses, carnations, mums, orchids, etc.; 18 years' experience; abstainer; single. Good wages expected. Private or commercial. FLORIST, care Pitcher & Manda, Short Hills, N. J.

**SITUATION WANTED**—By German florist, 14 years' experience in roses, carnations, violets, mums, palms and general stock; good design and cut flower worker; strictly sober and honest; commercial or private place. A B, care American Florist.

**SITUATION WANTED**—By experienced florist in general greenhouse stock, designs growing, etc.; good knowledge of the business in general; American, European experience; young, single; references; state wages. Address PRACTICAL, care Am Florist.

**SITUATION WANTED**—By a middle aged florist and gardener, married, no children; thoroughly experienced in every branch of horticulture especially greenhouses; good private place preferred; best references from prominent employers.

B 72, South Haven, Mich.

**SITUATION WANTED**—By German florist, married man, 15 years' experience in palms, roses, carnations, mums and general stock; also good designer and decorator, and a first-class landscape gardener; good testimonials; commercial or private place, northern states preferred. P E, care Am Florist.

**WANTED**—Agents to sell Child's Rainmaker nozzle. M. M. JONES, Gen'l Agent, 6123 Oglesby Ave., Chicago.

**WANTED**—Pelargoniums Fred Heinland and Fred Dorrer in large and small quantities. Address NANZ & NEUNER, Louisville, Ky.

**WANTED AT ONCE**—A competent all round gardener for retail trade. Give references and state salary expected. MISS MARIA MINGE, 300 N. Lafayette St., Mobile, Ala.

**WANTED**—An active young man as greenhouse assistant. Steady employment given, \$20 per month with board. Address BOUL FLORAL CO., Ithaca, N. Y.

**WANTED**—Partner with \$300 cash and 10 years experience; right man secures third interest in fine greenhouses; must manage; be sober; single man preferred. Best of references. Address MORGAN, care American Florist.

**WANTED**—A man (German, unmarried preferred), to take second place in a large nursery greenhouse. Glass is largely used in the propagation of roses, clematis, evergreens, etc. Wages \$40.00 per month. W. S. LITTLE & CO., Rochester, N. Y.

**WANTED**—Young, single man who thoroughly understands growing roses, carnations, violets, chrysanthemums and general stock. Send references and wages wanted with board to F. FRANCIS, Mgr. Fort Rouge Greenhouse Co., Winnipeg, Man.

**FOR SALE, RENT OR SHARES**—Greenhouses and celery garden, good business; a bargain. W. J. OLDS, Union City, Pa.

**FOR SALE CHEAP**—3 No 6 large Weathered boilers, double dome, all latest improvements, only used 3 months. R. J. GREENHOUSES, Pawtucket, R. I.

**TO EXCHANGE**—A few hundred Umbrella plants from 2½-inch pots, for Silver Spray or Scott carnations, field grown plants. Address JACOB DUERR, Geneva, Ill.

**FOR SALE**—A finely established retail florists business—stock and fixtures, including a fine lot of palms. Cheap rent; good location. Price \$300. Apply 172 Western Ave., Chicago.

**FOR SALE**—Greenhouse with stock; 2000 square feet of glass, good location, good market, city 20,000 inhabitants. Reason, other business. THEO. NOERLE, Green Bay, Wis.

**FOR SALE**—A Bonanza for someone with a cash capital of \$1,500. A man can go into an old established business, either by buying or leasing, on easy terms; the object in disposing of same is ill health. For full particulars address MRS. GEO. R. FRAYELL, Marion, Ind.

**FOR SALE**—A choice property in Creston, Iowa, consisting of 2½ acres of land, good 10-room house heated by steam, good barn, fruit trees, and two greenhouses—only greenhouse within 50 miles. A fine location for a good florist. Must be sold by Nov. 1, 1905. For particulars and price, write to CRESTON LOAN AND TRUST COMPANY, Creston, Iowa.



# ELLIS & POLLWORTH.

P.O. BOX 75  
PHONE 1973

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C. C. POLLWORTH

## Cut Flowers.

**OUR STOCK** is finer than ever before.  
**OUR SUPPLY** is double that of last season.

**SUPERIOR PACKING, PROMPTNESS IN FILLING ORDERS, ARE OUR STRONG POINTS.**

**WIRE WORK.**—Send for list and compare it with other so-called cheap lists. We claim to furnish designs of superior workmanship for less money than any other house.

## ELLIS & POLLWORTH, Box 75, Milwaukee, Wis.

**FINE ROSES,**

Mermets, Bridesmaids, Brides, Papa Gontiers, La France, from 3½-inch pots, \$5 per 100.

**SMILAX,**

strong plants from 3½-inch pots, \$3.00 per 100; \$25.00 per 1000.

**FERNS,**

well established plants from 2-inch pots, in 10 choice varieties, suitable for fern dishes and cutting, \$3.00 per 100. Samples sent for 10c in stamps.

**JAMES HORAN & SON,**  
BRIDGEPORT, CONN.

**10,000 Honeysuckles**

and other Climbers, including VINCAS, IVIES, AKEBIAS, Etc.

**5,000 AMPELOPSIS VEITCHII.****10,000 CLEMATIS PANICULATA**

of 1 and 2 years' growth.

Special prices on the above. Send us a list of your wants.

**THE WM. H. MOON CO.,** Morrisville, Pa.

**CARNATIONS**

Extra large field grown Carnations of the following varieties: Per 100

L. MCGOWAN.....\$5.00

SCOTT, DAYBREAK, STUART.....6.00

Stock fine and healthy.

**PANSIES.**

The Jennings strain of finest American grown Pansies. Finest mixed colors, for winter blooming, \$5.00 per 1000.

SEED of above strain, \$1 per pkt. of 2500 seeds.

Cash with order. **E. B. JENNINGS,**  
Lock Box 254. Southport, Conn.  
CARNATION AND PANSY GROWER.

**SURPLUS STOCK.**

BRIDES, BRIDESMAIDS, PERLES, SUN-SETS, MERMETS, NIPHETOS, VICTORIAS, from 2½-in. \$4.00, and from 3-inch \$5.00 per 100.

BEAUTIES, from 2½-inch, \$4.50 per 100

" 3 inch, 5.50 per 100

ESTATE OF M. A. HUNT, Terre Haute, Ind.

**SPECIALTIES**

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Send for list.

**WOOD BROTHERS, FISHKILL, N. Y.**

**Healthy Violets**

MARIE LOUISE,

Field grown.....\$40.00 per thousand

CASH WITH ORDER.

**G. L. DOLE, Lockport, N. Y.**

**VIOLETS.**

MARIE LOUISE.

First size.....\$5.00 per 100

Second size.....\$3.00 per 100

**NATHAN SMITH & SON,**  
Adrian, Mich.

When writing mention the American Florist.

**FOR SALE.**

5000 MARIE LOUISE VIOLET Clumps, field grown free from disease, \$5.00 per 100, or \$40.00 per 1000. Cash with order.

**GEO. N. SAYLES, 40 Bradley St., Watertown, N. Y.**

**ROSES, TREES, BULBS, PLANTS.**

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

**ONE THOUSAND CAR LOTS OF OTHER ORNAMENTAL TREES, SHRUBS, Etc.**

250,000 Peach, choicest sorts.

150,000 Pear, standard and dwarf

100,000 Plum, best European and Japan

75,000 Cherry, Morellos, Hearts, etc.

150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.

2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us. We can do you good.

42nd YEAR.

1000 ACRES.

29 GREENHOUSES.

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FANCY.



DAGGER.

**EVERGREEN CUT FERNS**

ESPECIALLY FOR FLORIST'S USE.

**\$1.25 PER THOUSAND FERNS.**

IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns furnished the year round. Special attention given to supplying the Wholesale Trade.

**BOUQUET GREEN.** For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.

**SPHAGNUM MOSS** a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.**

**Herr's Pansies.**

Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

**FIELD CROWN CARNATIONS,** fine plants, reasonable prices.

**L. B. 496.**

**ALBERT M. HERR, Lancaster, Pa.**

**PANSY****SEED**

The Best from many Growers, not the selection of one grower only.

**"International,"**

the best mixture. Trade pkt. 50c; ½ oz. \$1.50; oz. \$3.00.

**"Giant" Mixed,**

a very popular Florist's strain. Trade pkt. 50c; ¼ oz. \$1.50; oz. \$3.00.

**VAUGHAN'S SEED STORE,**

NEW YORK,

CHICAGO,

226 Barclay St.

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**PANSY SEED.** New Crop just arrived.

**GIANT PRIZE PANSY,** most brilliant mixture ever sold, containing the finest varieties in splendid colors and excellent size. Highly appreciated by all who have tried it.

1-4 oz. \$1.50. 1 oz. \$5.00.

**FLORIST'S MIXTURE A No. 1,** very fine mixture of large flowering varieties and choice colors, especially selected for florists' use.

1-4 oz. \$1.00. 1 oz. \$3.00.

Our Pansy Seeds have been personally examined in Germany. Write for pamphlet about "LYSOL" the Ideal Insecticide.

**HERRMANN'S SEED STORE,**

413 E. 34th St., (near L. I. Ferry), NEW YORK.

**Pansies Worth Raising.**

**STRONG PLANTS,** ready now, \$2.50 per 500; \$4.00 per 1000. Discount on large orders. Free on board express here.

Also SEED as usual. Cash with order. Full value in return.

**C. SOLTAU & CO.,**

199 Grant Ave., JERSEY CITY, N. J.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

**Roemer's Superb Prize****PANSIES.**

The finest strain of Pansies in the world, and of all leading Novelties.

**PLANTS** at 75c. per 100; \$5.00 per 1000.

CASH WITH ORDER.

**Peter Brown, Florist,**

LANCASTER, PA.

**ZIRNGIEBEL'S GIANT MARKET**  
and **GIANT FANCY**

**PANSIES,**

In Trade Packets at \$1.00 each.

Also plants of the above superb strains, at \$1.00 per 100; \$5.00 per 1000 for Giant Market, and double that rate for Giant Fancy.

Plants packed securely to go any distance.

**DENYS ZIRNGIEBEL, Needham, Mass.**

**GIANT PANSIES.**

Our Select and Improved TRIMARDEAU will give perfect satisfaction in largest flowers, finest colors and vigorous growth. Fine, stocky, field grown plants, 75c per 100; \$5.00 per 1000. Transplanted \$1.00 per 100; \$7.00 per 1000, cash.

Write for liberal offer on large lots. A few sample plants for 2c stamp.

**DANIEL K. HERR, Ryder Ave., Lancaster, Pa.**

**PANSY PLANTS.**

Try Engle's strain. They are up to date, \$4.00 per per 1000. Cash.

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Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure  
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

## Through American Eyes.

In this issue we present several views in Ghent, Belgium, that should have appeared with Mr. Kift's article on Ghent in our issue of September 14 but which could not be engraved in time for that number.

Mr. Kift will soon resume his series of articles covering points of interest to our readers in England, France and Belgium. These will be freely illustrated by photographs taken specially for the AMERICAN FLORIST by Mr. Kift during his recent trip.

These views, which will number not less than 50, will prove a pretty fair substitute for an European trip, showing as they will the things that seemed most interesting from an American standpoint to such well posted members of the craft as Messrs. Kift, May, Pierson and Craig.

Therefore this series of illustrated articles might well be entitled "The AMERICAN FLORIST's free trip abroad to its readers."

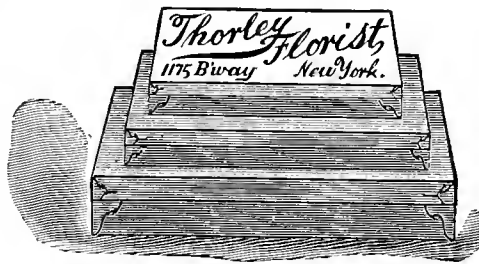
## New Directory.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

WE HAVE received the preliminary announcement and premium list of the Atlanta Chrysanthemum Fair to be held at Atlanta, Ga., November 12 to 15. In addition to chrysanthemum plants and cut flowers there are classes for decorative plants, cut roses and carnations and floral arrangements. As the fair will take place during the Cotton States and International Exposition an effort will be made to give it a national character. Mr. Geo. M. Bradt is chairman of committee in charge. His address will be Kenyon Building, Louisville, Ky., until November 1, and after that date Y. M. C. A. Building, Atlanta, Ga.

IRRIGATION FARMING is the title of a new book recently issued by the Orange Judd Co., New York. It is "a handbook for the practical application of water in the production of crops."

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



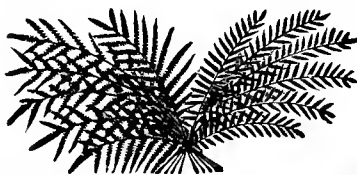
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We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**NEW YORK SALESROOM:  
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

When writing mention the American Florist.

**Hardy Cut Ferns,  
BOUQUET GREEN,**

Laurel and Green Festooning, Wreaths, Etc.  
SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON.

**WISCONSIN FLOWER EXCHANGE,  
CUT FLOWERS.**

Good supply now of

Roses, Carnations, Fancy Foliage, Lilies.

Lily Valley after Sept. 15th.

PALMS, FERNS. Box 87, Milwaukee, Wis.

**ESTATE OF M. A. HUNT,  
Wholesale Cut Roses**

TERRE HAUTE, IND.

Parties unknown to us, references must be  
given. Orders promptly filled.

**Complete Catalogue**

OF

Fruit Tree Stocks, Ornamental Trees,  
Shrubs, Evergreens, Roses, Etc.

Grown by

**P. SEBIRE & SONS,**

USSY, (Calvados), FRANCE,

will be mailed on application to their sole  
Agents,

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**10,000 STRONG AND HEALTHY  
SMILAX PLANTS,**

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We can supply extra copies of the  
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Folding Flower Boxes are the best  
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CUT FLOWER CO.,**

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The Largest Dealers in

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Handling flowers of all kinds in quantity  
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**WHOLESALE CUT FLOWERS.**  
**SEEDS, BULBS AND ALL**  
**FLORISTS' SUPPLIES.**

During July and August our store will not  
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**WHOLESALE CUT FLOWERS,**  
 and **FLORISTS' SUPPLIES.**  
 34 & 36 RANDOLPH STREET,  
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If you want First-Class Flowers, properly packed and  
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We are now prepared to furnish Florists' Wire  
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*Wire Designs a Specialty.*  
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*Wholesale Growers of*  
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We are prepared to fill your orders with first-class  
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**Asparagus Plumosus Nanus.**  
 Cut Strings, 8 to 10 feet long,  
 50 CENTS.  
**W. H. ELLIOTT, Brighton, Mass.**

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Cut Flowers.

	NEW YORK	Sept. 25.
Roses, general list.....	1.00@	5.00
" Beauty.....	5.00@	10.00
" Beauty extra.....	5.00@	20.00
" ordinary.....	1.00@	5.00
Carnations.....	.25@	.50
extra.....	.50@	1.00
Valley.....	2.00@	3.00
Asters.....	.25@	.50
Gladiolus.....	.50@	1.00
Tuberose, stalks.....	2.00	
Hydrangeas.....	1.00	
Smilax.....	8.00@	10.00
Adiantum.....	.75@	1.00
Asparagus.....	.50@	1.00
Roses, surplus stock.....	\$5.00 per 1000	
	BOSTON.	Sept. 25.
Roses, general list.....	1.00@	4.00
" Beauty.....	10.00@	15.00
Carnations.....	.25@	.50
extra.....	.25@	.50
Asters.....	.25@	.50
Valley.....	2.00@	4.00
Lilies, white Japan.....	3.00	
Gladiolus.....	1.00@	2.00
Adiantum.....	.75@	1.00
Smilax.....	10.00@	12.00
Asparagus.....	15.00@	25.00
	PHILADELPHIA.	Sept. 25.
Roses.....	1.00@	4.00
" Beauties.....	15.00	
Carnations.....	.25@	1.00
Asparagus.....	35.00@	50.00
Valley.....	3.00	
Smilax.....	15.00@	25.00
	CHICAGO.	Sept. 27.
Roses, Beauties long.....	10.00@	15.00
" short medium.....	2.00@	6.00
" Large teas.....	1.00@	2.00
" select.....	3.00	
Carnations.....	.75@	1.00
Tuberose.....	2.00@	4.00
Smilax.....	8.00@	10.00

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 Successor to PECK & SUTHERLAND,  
 Successors to WM. J. STEWART,  
**Cut Flowers and Florists' Supplies**  
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 67 Bromfield St., BOSTON, MASS.  
 New England Agent for the GREAT ANTIPEST.

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**FLORISTS**  
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**Wholesale Florists,**  
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 Near Tremont St., BOSTON, MASS.

**The Boston Flower Market**  
 is prepared to purchase, on order, and  
 ship Trade orders for Cut Flowers at  
 prices ruling in the market on day of  
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 Long Distance Telephone "Haymarket 638."

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 We can supply extra copies of the color chart  
 that appeared in the Convention Number at  
 25 CENTS EACH.  
**AMERICAN FLORIST CO.,**  
 P. O. Drawer 164, CHICAGO.

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 49 WEST 28th STREET,  
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**SPECIAL EXTRA STOCK OF**  
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**DISBUDED CARNATIONS.**  
**FANCY GRADE.**

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**CUT • FLOWERS**  
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**WHOLESALE, COMMISSION,**  
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 53 West 30th St., NEW YORK CITY.

## The Seed Trade.

### AMERICAN SEED TRADE ASSOCIATION.

S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.; ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Chambers St., New York, Sec'y and Treas.

NEW YORK seed houses report brisk general demand for bulbs with no surpluses.

MR. ARCHIBALD SMITH, with Jos. Breck & Sons, sailed from Glasgow September 19 for home.

BOSTON.—C. P. Braslan of Northrup, Braslan Goodwin Co. made a flying visit to Boston last week.

VISITED NEW YORK: Frank S. Platt, Everett B. Clark, R. Nott, Chas. P. Braslan, W. B. Hoyt, W. Brotherton.

ONION SETS at Philadelphia from first hands are reported as selling about as follows: Whites, \$2; yellows, \$1.40; reds, \$1.75.

IT IS STATED that enough seed catalogues are annually printed in the U. S. to supply one for every six persons of the entire population, including women and children.

NEW YORK—Messrs. J. E. Northrup and C. P. Braslan are visiting New York. Mr. Northrup has been in search of health and recuperation and his appearance would indicate that he had found it.

BOSTON.—Mr. J. Horace McFarland has been visiting the seedsmen here in the interests of the Colorotype Co. of New York, of which he is manager. Photography in colors, which is practically accomplished by this novel process, will be welcomed with pleasure by those catalogue makers who aim at absolute truthfulness in illustration.

WE ARE PAINED to announce that Mr. Joseph C. Brown, inventor of the Brown Bag-Filling Machine, suffered the amputation of his right arm at the shoulder on the 23rd inst., the result of an injury to the bone sustained some time since. Mr. Brown's fine physique and courageous nature gave little evidence of the trouble, and his many friends will be greatly surprised at the outcome, which became necessary to save his life. He is under the care of Dr. M. H. Richardson, Supt. of the Mass. General Hospital, and doing well.

### Former Partners at Odds.

John Bolgiano, trading as J. Bolgiano & Co., has sued Joseph A. Bolgiano for \$10,000 damages in the city court, through David Stewart and Redmond C. Stewart, attorneys. The parties to the suit were formerly in the seed business together, and the claim is for alleged breach of an agreement that was entered into when the partnership was dissolved. —*Baltimore Sun*, September 9.

### Cleveland.

During the late spell of very hot weather through which we have been passing A. Graham & Son suffered a slight loss from hail. The damage, however, was very slight, amounting to only some two or three hundred lights of 10x12, single thick. The great superiority of double thick over single thick was once again thoroughly demonstrated, not a single light of the latter having been broken.

There have been some very fine asters sent in lately from William Lee of Bedford. They were of the Vick branching



NEW YORK: 26 Barclay St. **VAUGHAN'S SEED STORE**, CHICAGO: 84-86 Randolph St.

**GIANT FLOWERED CYCLAMEN.** The most profitable of all pot plants for retail florists. We offer some magnificent specimen plants at \$2.00 to \$5.00 per dozen; \$15.00 to \$35.00 per 100. At Christmas they sell readily at 75 cts. to \$3.00 each.

**BEGONIA REX.** Extra large, strong plants in best varieties, \$5.00 per 100

**HYDRANGEA OTAKSA.** Fine plants from 4-inch pots, \$6.00 per 100.

**CARNATIONS.** Large, field grown plants, McGOWAN, DAYBREAK, SILVER SPRAY, \$6.00 per 100.

C. YOUNG & SONS' CO., 1406 Olive St., ST. LOUIS, MO.

type, and were extraordinarily large and fine, much surpassing the earlier ones. The stock was handled by Charles Erhardt.

A. Graham & Son have added another boiler to their plant. It is figured that this addition will much facilitate the easy heating of the establishment, besides tending toward economy in the matter of coal.

James Eadie's new carnation house is well under way and when completed will shelter as fine a lot of outdoor stock as the writer has seen this season. The plants are really excellent in every way.

The hot weather of the last week has caused a sudden cessation in bringing in stock, many growers fearing to do anything in that line while the weather was so hot, though in many cases everything was ready for the plants. Business has been rather quiet during the past week, there being only a very ordinary demand for stock. The latter shows considerable improvement in quality and the quantity is fully up to the demand.

E. J. Paddock has concluded to open a store. He will occupy the room next to that now used by Erhardt.

At the meeting (the first regular one of the club) held at their new quarters, room 204 City Hall building, the officers for the year were elected. For president, Mr. A. Graham was elected unanimously. The balloting for first and second vice-president resulted in the election of Mr. D. Charlesworth and Mr. Robert Kegg for the respective positions. There was a spirited contest between a number of candidates for the secretaryship. The voting finally narrowed down to H. A. Bunyard and William Leitch, Mr. Leitch being finally elected by a vote of 28 to 27. On motion of Mr. Bunyard Mr. Leitch's election was made unanimous. The utmost good feeling was shown throughout all the balloting and everything went off in the best possible manner. There was plenty of enthusiasm and the hope that has been entertained that a club could be organized here that would be mutually beneficial and satisfactory to all may now be said to be fully realized. We have got a good, solid man for treasurer in the person of Mr. Herman Hart,

# TO THE TRADE.

We offer this week SPECIALS on the following:

TULIPS, named, 10 kinds, average, per 1000, \$7.50.

CHINESE NARCISSUS, October 10th, per 1000 in N. Y., \$42.50; in Chicago, \$45.00.

HYACINTHS, named and mixed. 50,000 select bulbs.

ROMAN HYACINTHS, white, 11 to 12 ctm. at \$17.00 per 1000.

L. HARRISII, all sizes, bottom prices.

L. LONGIFLORUM, Japanese grown, ready.

TIN FOIL, WAX PAPER, etc., at special prices.

Write for **TRADE LIST**. Just out.

## Roman Hyacinths and Lilies.

FIRST COMES, FIRST SERVED.

L. HARRISII, 5-7 inch.....	Per 100 Per 1000
7-9 inch.....	\$2.50 \$22.00
L. LONGIFLORUM, guaranteed true stock, 5-7 inch.....	5.00 44.00
7-9 inch.....	2.75 26.00
WHITE ROMAN HYACINTHS, 11-12 centimeters.....	5.50 54.00

TOTUS ALBUS GRANDIFLORUM.....	16.10
Quantities limited. Net cash with order.	12-13..... 19.00

DUTCH HYACINTHS, TULIPS, Etc., on hand in any quantity to suit.

HULSEBOSCH BROS., Englewood, N. J.

## TO BE SOLD AT ONCE

5000 SELAGINELLA EMILIANA,

2-inch pots, ready for use or shift. Best plant for fern dishes, \$3 per 100; \$25 per 1000.

SIEBRECHT & WADLEY,

Mention Am. Florist. New Rochelle, N. Y.

AZALEAS, Sander, Bruges, Belgium.  
PALMS, " " "  
ARAUCARIAS, " " "  
BAYS, " " "

Agent: A. DIMMOCK,

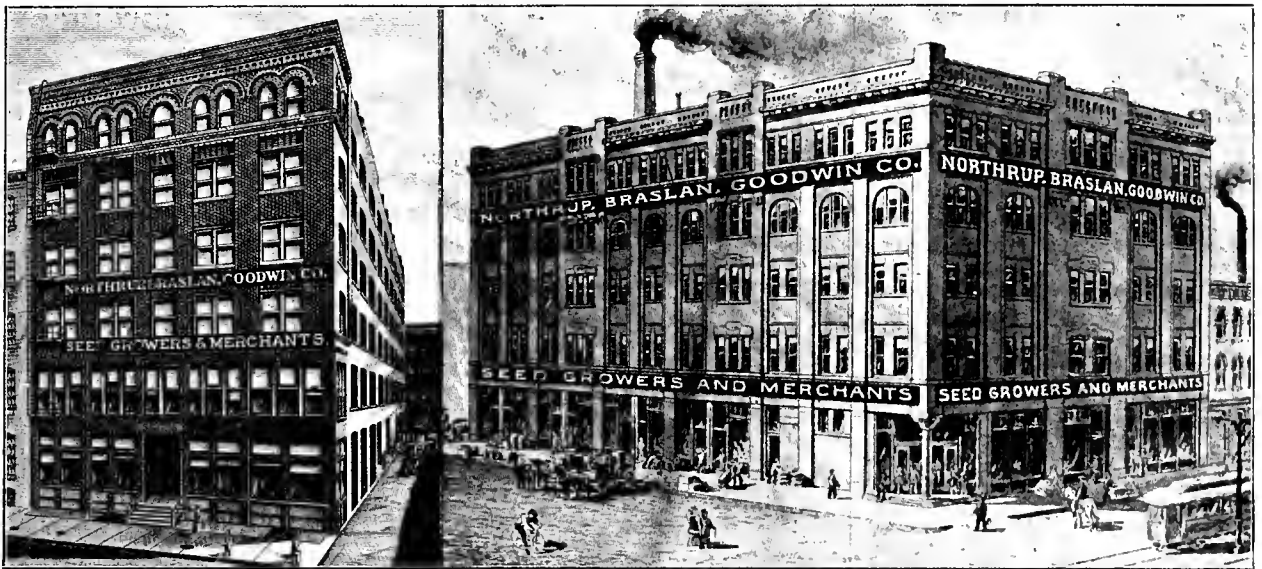
106 & 108 Liberty Street, NEW YORK.

SEND FOR SPECIAL OFFER.

one to whom we can hand over our dues without a single pang of fear as to the final result. In fact all the officers are uniformly good and when the fact that we have added since the last meeting two weeks ago nearly or quite twenty members is taken into consideration it is thought that our confidence in the strength and vitality of the organization is fully justified. A.

THE NEW yellow cosmos has made a very fine show notwithstanding the late season. It's only 15 inches high. Tecoma Smithii is also blooming well out of doors on plants raised from seed this spring. This was quite unexpected. A. B. Philadelphia.

WE ARE now ready to receive advs. for the corrected edition of our trade directory and reference book to be issued January 1 next.



Chicago  
WAREHOUSE.

## NORTHROP, BRASLAN, GOODWIN CO.

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WAREHOUSE.

Being **GROWERS** we are in a position to supply **Seeds of first-class quality** and to make **specially low prices**.

A trial will convince those who have not yet found this out.

## NORTHROP, BRASLAN, GOODWIN CO.,

20 TO 28  
HENNEPIN AVENUE, Minneapolis, Minn.

55, 57 & 59  
NO. JEFFERSON STREET, CHICAGO.



**TRY DREYER'S  
GARDEN SEEDS,**  
Plants, Bulbs & Requisites.  
They are the best at the  
lowest prices. Trade List is-  
sued quarterly, mailed free  
to the trade only.  
**HENRY A. DREYER,**  
Philadelphia, Pa.

### FOR SALE—Surplus Stock.

*Lælia anceps*, strong plants, @ \$25.00 per 100  
*Lælia borbonica*, from 6's @ \$25.00 per 100  
A choice lot of established *Cycas revoluta* with fine  
crowns of leaves, stems from 8 inches to 3 feet in  
length. Send for list.

**BRACKENRIDGE & CO.,**  
GOVANSTOWN, MD.



**H. H. BERGER & CO.**  
(Established 1878) SAN FRANCISCO, CAL.  
**NEW PRICE LIST.** Send for it.

Headquarters for  
**FREESIA REFRACTA ALBA,**  
**LIL. LONGIFLORUM,**  
**AURATUMS,** and all other Japan Lilies.  
**ESPECIALLY LOW PRICES FOR EARLY ORDERS.**

**W. A. MANDA,**  
MERCHANT, GROWER, IMPORTER & EXPORTER OF  
**FLORISTS'**  
**Plants, Seeds and Bulbs.**

**NOVELTIES A SPECIALTY.**  
The Universal  
Horticultural Establishment, SOUTH ORANGE, N. J.

**LILIUM HARRISII.**  
Original and largest growers of this important bulb.  
**OUR SPECIALTY.**  
True Stock. Lowest Prices. Best Quality.  
**F. R. PIERSON CO.,**  
TARRYTOWN-ON-HUDSON, NEW YORK.

## THE BROWN BAG-FILLING MACHINE

Puts up seed in packets, takes all sizes of bags, gauges all quantities  
of seed from an ounce to a grain, seals up the bag, and runs  
three thousand per hour. Illustrated Circular on application.

THE BROWN BAG-FILLING MACHINE CO., Fitchburg, Mass.

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The Money Making Crop.

"Watson's Little Book on Mushroom Culture," 24 pp. 10c. Free with  
orders on request. "W. P." Brand **MUSHROOM SPAWN**  
Always reliable. Fresh and well-spawned. Second consignment  
of the season due at  
this port Sept. 15th.

**G. C. WATSON,** 43 N. 10th St.,  
PHILA., PA.

**WE ARE HEADQUARTERS ON  
BULBS FOR FORCING,  
FLOWER SEEDS FOR FLORISTS  
ENGLISH MUSHROOM SPAWN.**

Special prices on application.  
**JOHN GARDINER & CO., Seedsmen,**  
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**HIGH CLASS SEEDS AND BULBS.**  
Florists and Gardeners trade a Specialty.  
25 years' experience. 7 sorts Cyclamen Seeds. The  
best strain in the world. Send for prices.  
**METROPOLITAN P. O. East Williamsburg, L. I., N. Y.**

**TELEGRAPH CODE**  
OF THE  
**AM. SEED TRADE ASSOCIATION**

**\$2.00,**  
In either stiff or flexible cover.  
ADDRESS ORDERS TO  
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P. O. Drawer 164. . . . . CHICAGO.

## Supplies. Bulbs and Seeds

At Wholesale. New Trade Lists now ready  
Mailed free on application.  
Address **August Rölker & Sons,**  
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## BULBS

**FOR FALL DELIVERY.**  
For Catalogues address  
**C. H. JOOSTEN, Importer,**  
36 Dey Street, NEW YORK.

## WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus  
AND  
**LILIUM HARRISII.**  
Special low prices on application.  
**WEEBER & DON,**  
Seed Merchants and Growers,  
114 Chambers St., NEW YORK CITY.

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.



# THE GOTTAGE GARDENS,

## QUEENS, L. I., N. Y.

Offers for Immediate Delivery for Cash:

### CARNATIONS, Field Grown Plants.

	PER 100	PER 1000
7,000 WM. SCOTT, extra selected.....	\$ 8.00	\$ 75.00
Good plants.....	6.00	50.00
3,000 MME. ALBERTINI, extra strong.	6.00	50.00
5,000 LIZZIE McGOWAN, extra selected	8.00	75.00
Good plants.....	6.00	50.00
150 HELEN KELLER, 150 fine plants, \$12 for the lot.		

All other varieties sold out.

### GERANIUMS.

50,000 strong unrooted cuttings of the finest new and standard sorts, now ready, at \$1.00 per 100; \$4.00 per 500; \$7.50 per 1000, of the following varieties:

**DOUBLE GEN. GRANT**, double scarlet. Bruant.  
**ALFRED TENNYSON**, double scarlet. Bruant.  
**W. P. SIMMONS**, double dark scarlet.  
**EUGENE LAMBERT**, double dark red.  
**E. LEGUERE**, double salmon. Bruant.  
**LA FAVORITE**, double pure white.  
**MME. C. DABOUCHE**, double flesh pink.  
**MRS. J. M. GAAR**, single snow white; best white bedder.  
**MADONNA**, single flesh pink, Mirande type.  
**W. S. GUNN**, single scarlet pink, Mirande type.  
**MRS. E. G. HILL**, single salmon pink.  
**REV. HARRIS**, single scarlet.  
**AUORE BOREALE**, single scarlet, large flower.

100,000 strong Rooted Cuttings, now in sand; delivery soon as thoroughly rooted, at \$2.00 per 100; \$7.50 per 500; \$15.00 per 1000, of the following varieties:

**DOUBLES**—GEN. GRANT, W. P. SIMMONS, ALFRED TENNYSON, PROF. POIRAUT, BEAUTE POITEVINE, EUGENE LAMBERT, E. LEGUERE, LA FAVORITE, MME. CHAS. DABOUCHE.

**SINGLE**—MRS. J. M. GAAR, MRS. E. G. HILL, AUORE BOREALE, BARBIZET, MADONNA, and REV. ATKINSON.

The following NEW VARIETIES at \$2.50 per 100; \$10.00 per 500; \$20.00 per 1000.

BEATRICE KELWAY, double white; JAMES KELWAY, BENJ. SCHROEDER, MRS. A. BLANC, MME. CHAS. MOULIN, W. A. CHALFANT.

### WE WILL SHIP YOU

1000 GERANIUM CUTTINGS, well-rooted, in 30 varieties containing all of the above sorts, for \$15.00. All Geranium Cuttings are terminal shoots, and we pay particular attention to sending out clean, vigorous stock.

### CANNAS.

We offer strong, field grown clumps, October shipment, as dug, as follows:

	PER 100
2,500 Clumps Chas. Henderson, 3½ ft. best crimson,	\$30.00
900 " Geoffroy St. Hilaire, 5 ft., best bronze,	10.00
1,500 " Alphonse Bouvier, 6 ft., best tall crimson.....	10.00
800 " Mme. Crozy, 3½ ft., best standard, scarlet, gilt edge.....	25.00

We offer 100 clumps in 8 varieties, the cream of the New and Standard varieties for \$20.00.

### FICUS ELASTICA.

Out door grown, 6-inch pots, first size, \$6.00 per dozen. Second size..... 5.00 per dozen.

SEND IN YOUR ORDERS EARLY.

**C. W. WARD, Manager.**



Denver.

We were visited with a severe frost and a heavy snow storm the night of the 21st. As the frost was expected everyone was prepared and no one suffered any damage in or around greenhouses, but thousands of dollars damage was done to the shade trees throughout the city by the heavy weight of the snow falling on the foliage of the trees, which were yet green. The heavy snow in many cases broke or split off large limbs many inches in diameter, in many instances totally ruining trees of many years growth. The damage at City Park was very great, but was considerably lessened by the energy of Superintendent Graham, who as soon as possible gathered his entire force of men and shook the snow from the limbs, put up props and in every possible way did as much as could be done to save the trees from damage.

Messrs. Benson & Crockford, who have leased the Petersburg greenhouses, have opened a store at 911 16th street to dispose of their cut.

Mr. Perry Gallup returned from an extended eastern trip the 17th.

Newlander & Rolin have taken an extensive contract to grade and seed the campus of the Denver University at University Park.

Business has picked up some; at least the store men do not complain so much.

Mr. S. L. Haycox of the Denver Flower Co. has returned from a brief fishing trip to New Mexico.

The Denver Florists' Society is arranging for a series of lectures on practical and theoretical botany at the club meetings this winter. At the regular meeting of the society September 14 the active work preliminary to the third annual chrysanthemum show was taken up and the board of directors selected President Lewis, Mr. H. H. Given and Mr. L. Beer as a committee to have full control of all arrangements and to carry out the plans formulated. The schedule of premiums and rules for exhibitors having been agreed upon and published last April the work devolving upon the committee is of an executive nature, such as attending to securing the hall, music, etc., advertising and other matters of the kind. The outlook for a fine and successful exhibition is promising and this season's show will undoubtedly be a success from every point of view.

The annual exhibition of the Colorado Horticultural Society opened in the Gettysburg Building September 24. The display of fruit from different parts of the state was finer than usual, which is saying a great deal. Especially noticeable among so many fruit exhibits were the large exhibits of dahlias by W. W. Willmore of Wheat Ridge and Jos. Wolfe, Highlands.

C. D. Haines, seedsman, who assigned for the benefit of his creditors last July, has adjusted all difficulties and has reopened at 1135 15th street.

Good roses are bringing from 4 to 6 cents. Beauties very scarce at 20 cents, Daybreaks bring 2 cents, other carnations from 1½ to 2. Good stock of all kinds is very scarce. H. H. GIVEN.

## Surplus Stock.

**CARNATIONS.** Field grown, good healthy stock, \$5.00 per 100, in the leading varieties.  
**SMILAX PLANTS.** In 2-inch pots, \$2.00 per 100.  
**CHRYSANTHEMUMS.** In 4 and 5-inch pots, \$15.00 per 100, in the leading varieties.  
 \*Inside prices given on large quantities.

Address **NANZ & NEUNER, Louisville, Ky.**  
 When writing mention American Florist

## FIELD GROWN STOCK, Carnations, such kinds as

**DAYBREAK, L. MCGOWAN, PORTIA, WM. SCOTT, SWEETBRIER, NELLIE LEWIS** and others. Healthy, full size stock. Low prices.

**MARIE LOUISE VIOLETS.** Specially large clumps.  
**RISLEY FLATS SMILAX.**

Priced Circulars free. Address

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Strong, field grown plants, at \$8.00 per 100.

**DAYBREAK, PURITAN, SILVER SPRAY,**

**THOS. CARTLEDGE, SWEETBRIER, PORTIA,**

**JACQUEMINOT, LIZZIE MCGOWAN, EMILY PIERSON.**

**WE ARE HEADQUARTERS FOR FARLEYENSE FERNS.**

2-in. \$15 00; 2½-in. \$18.00; 3-in. \$25 00; 4-in. \$50 00 per 100.

**NEW YORK: VAUGHAN'S SEED STORE, CHICAGO:**  
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 GREENHOUSES WESTERN SPRINGS, ILL.

**10,000 Wm. Scott Carnations.**

Strong, healthy plants, \$8.00 per 100;  
 \$60.00 per 1000. Cash with order. Speak quick.

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**Chinese Primulas.**

Single white, 3 sorts, 2 1-2 inch,  
 \$2.00 per crate of 75.

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**DRACAENA INDIVISA,** fine plants for grow- Per 100  
 ing on, 3½ inch pots \$6.00  
 2½-inch pots 3.00  
**ADIANTUM CUNEATUM,** 2½-inch 2.50  
**DRY CALLA ROOTS,** fine home grown 5.00  
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 " 3½ & 4-inch 5.00  
**PANSY PLANTS,** fine, stocky, per 1000 \$4.00 60  
 CASH WITH ORDER  
**THE OAKS GREENHOUSE CO.,**  
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doz. per 100  
**CLEMATIS,** large fl'g, best kinds, \$3.00 \$22.50  
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**POET'S NARCISSUS,** double white, large stock 75  
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**DOWNING GOOSEBERRIES,** best gro'n, 2.50  
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**PALMS SELL ALL THE YEAR.**

Our 17 collection, 3 & 4-inch \$5.34 for \$5; 10 4 & 5-inch \$3.50, 20 for \$5; 6-in. for \$5. All good selected varieties. special sale: Choice Ferns, \$5.00 & \$6.00. **SMILAX,** fine plants in 2½-inch pots, \$2.00 per 100.

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 SILVER SPRAY, PORTIA,  
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 TENDERS, HINZE'S WHITE.  
 Price \$5.00 per hundred.  
**Williams & Sons Co., Batavia, Ill., Labels & Moss, etc.**

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20,000 DAYBREAK, good plants, averaging 10 to 15 flowering shoots, \$6 per 100

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**CARNATIONS, FIELD GROWN**

Our Carnations this season are strong and healthy.

No. 1 plants—ready now. Per 100  
**DAYBREAK** 8.00  
**HELEN KELLER** 8.00  
**JACQUEMINOT** 8.00  
**WM. SCOTT** 8.00  
**MRS. E. REYNOLDS** 8.00  
**UNCLE JOHN** 8.00  
**GARFIELD** 8.00  
**THE STUART** 10.00  
**SWEET BRIER** 10.00  
**LIZZIE MCGOWAN** 5.00  
**SILVER SPRAY** 5.00  
**L. L. LAMBORN** 5.00  
**PORTIA** 5.00  
**GRACE WILDER** 5.00  
**TIDAL WAVE** 5.00  
**VIOLETS, Marie Louise, field grown** 5.00  
 We invite anyone wanting large quantity to come and inspect stock.

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**CARNATIONS**

Field Grown Plants.

**ELDORADO and OTHER SEEDLINGS.**

**W. R. Shelmire,**

Send for circular. **AVONDALE, PA.**

**FORCING ROSES,**

American Beauty and leading sorts.

**FIELD GROWN CARNATIONS.**

Best new and old ones.

**CYCLAMEN, 3-inch. PRIMROSES, 3-inch.**

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**Chicago Retail Florists!**

Buy your choice FERN PLANTS for Table Decorations of

**P. N. NEIGLICK,**

2224 N. Clark Street, CHICAGO.

**Adiantum Farleyense Fern**

Per doz. Per 100  
 2-inch 3.00 \$12.50  
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 4-inch 5.00 4.00  
 5-inch 9.00 75.00  
 We have the finest and largest stock in the west.

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## A Color Chart

far more brilliant than that of Mr. Mathews may be had by planting and cherishing our field plants.

Carnations Introduced this year:

	Per 100
OPHELIA—(Own). Pink, large and free, flowers bring top price.....	\$15.00
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SWEETBRIER, light pink.....	8.00
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THOS. CARTLEDGE, dark pink.....	8.00
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McGOWAN.....	6.00
STUART.....	8.00
UNCLE JOHN.....	8.00
HELEN KELLER.....	8.00
STOCK IN BLOOM IN FIELD.	
MRS. FISHER.....	3.00
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VIOLETS LADY CAMPBELL.....	8.00
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KENNETT SQUARE, PA.

## CARNATIONS

LARGE FIELD GROWN PLANTS.

	Per 100
WM. SCOTT.....	\$7.00
DAYBREAK.....	6.00
NANCY HANKS.....	6.00
PORCIA.....	6.00
LIZZIE McGOWAN.....	6.00
MRS. FISHER.....	6.00
TIDAL WAVE.....	6.00
Also Choice VIOLET plants.....	5.00

Write for prices on 500 lots or over.

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FIELD PLANTS AND ROOTED CUTTINGS IN SEASON.

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EDNA CRAIG, MME. ALBERTINI, DAYBREAK, MRS. FISHER, BLANCHE, FRED. DORNER, SILVER SPRAY, WM. SCOTT, \$7.00 per 100.  
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Terms, cash with order.

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STRONG FIELD-GROWN PLANTS.

Very low prices on application.

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## New White Carnation ALASKA.

Field grown plants. Send for prices.

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Successors to H. E. Chitty.

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## 40,000 GARNATIONS!

FIELD-GROWN

ALL THE BEST VARIETIES.

From Four to Twelve Dollars per Hundred, according to variety.

SEND FOR PRICES.

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## 4 Acres Field Grown Carnation Plants, 96,000.

Our Carnations are grown with the greatest care, are first-class, and free from disease. We pack light by our improved system of packing by which we can send them to all parts of the United States and Canada in perfect condition.

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DAYBREAK

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LIZZIE McGOWAN  
MRS. F. MANCOLD

SWEETBRIER  
STUART  
UNCLE JOHN

\$1.50 per dozen. \$8.00 per hundred.

PURITAN \$6.00 per hundred.

GRACE WILDER  
TIDAL WAVE  
MRS. CARNÉCIE

\$1.00 per dozen. \$5.00 per hundred. \$45.00 per thousand.

JACQUEMINOT  
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BUTTERCUP

CHESTER PRIDE

CARFIELD  
HINZE'S WHITE  
PORTIA

**J. L. DILLON, Bloomsburg, Pa.**

## LARGE FIELD GROWN CARNATIONS

	Per 100
LIZZIE McGOWAN.....	\$5.00
SILVER SPRAY.....	5.00
BLANCHE.....	4.00
ORANGE BLOSSOM.....	4.00
CREOLE.....	4.00
WHITE DOVE.....	4.00
GRACE WILDER.....	4.00
AMERICAN FLAG.....	4.00
BEN HUR.....	4.00
MRS. HITT.....	4.00

CUT SMILAX, 15 cents per string.

**THE NATIONAL PLANT CO.**

CASH.

DAYTON, OHIO.

## Field Grown Carnations.

GOOD HEALTHY PLANTS.

	Per 100
UNCLE JOHN.....	\$ 8.00
STUART.....	8.00
BRIDESMAID.....	10.00
ALBERTINI.....	8.00
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Fine field plants of standard tested sorts that must be sold. Please send list of your wants for prices.

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Fine field clumps. Price, \$8.00 per 100; \$75.00 per 1000. Also fine pot plants at \$1.00 per 100. Stock fine.

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FINE BUSHY PLANTS.

WM. SCOTT, \$7 per 100. TIDAL WAVE, \$5 per 100.

DAYBREAK, BUTTERCUP,  
DIAZ ALBERTINI, MRS. STANLEY,  
McGOWAN, BOUTON D'OR,  
HINZE'S WHITE, in limited quan-  
SILVER SPRAY, tity, second size  
COL. WILDER, our best plants, \$6 per 100.  
red. \$6.00 per 100.

Strictly cash with order.

Also large stock of Palms, Pandanus Utilis and P. Veitchii, Aspidistras, Century Plants, etc., etc. Mostly large specimens, fine for decorations. Will be sold cheap. Have no further use for them.

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6000 DAYBREAK.....	\$6.00
SCOTT.....	6.00
CARTLEDGE.....	6.00
HELEN KELLER.....	6.00
15,000 LIZZIE McGOWAN (fine).....	5.00
TIDAL WAVE.....	5.00
ORANGE BLOSSOM.....	5.00

Also 2000 MARIE LOUISE VIOLETS, no spot, at \$7.00 per 100.

PANSY PLANTS, flowering, \$5.00 per 100.

**GEO. B. WHITEHEAD, L. B. 116, Greens Farms, Conn.**

## GOOD FIELD GROWN CARNATION PLANTS CHEAP.

Portia, Pierson, Tidal Wave, Garfield, Silver Spray, Grace Wilder.  
Also strong SMILAX PLANTS from 2½-in. pots.  
**GEO. SOUSTER, Elgin, Ill.**

## E. G. HILL & CO., Wholesale Florists

RICHMOND, INDIANA.

## News Notes.

SPOKANE, WASH.—Willard Smith & Co. gave an exhibition of sweet peas Aug. 8.

TROY, N. Y.—Samuel Walch, the Broadway florist, was married on September 16th to Miss Augusta Youghans.

TURNERS FALLS, MASS.—The cyclone and hail storm of the 10th inst. broke 500 lights of glass in the greenhouse of J. J. Long.

CONCORD, N. H.—The annual exhibition of the New Hampshire Horticultural Society will be held at City Hall October 1, 2, and 3.

TWEEKSBURY, MASS.—Patten & Co. are adding to their establishment three new houses, one 18x100 for carnations, one 10x100 for violets, and one 10x40 for miscellaneous plants.

BURLINGTON, VT.—The new firm of Gove, Nott & McIntosh opened its store at 45 Church street on September 1. Their specialties will be the seed and flower trade and landscape gardening.

ORANGE, N. J.—Mr. T. H. Spaulding has just completed an additional chrysanthemum house 25x100 and is building 4 more houses, each 25x100, 3 of which will be devoted to chrysanthemums and 1 to carnations.

SPRINGFIELD, MASS.—The prizes offered by the Hampden County Horticultural Society for the chrysanthemum exhibition of November 12, 13, and 14, amount to nearly \$300, in addition to life memberships and certificates of merit.

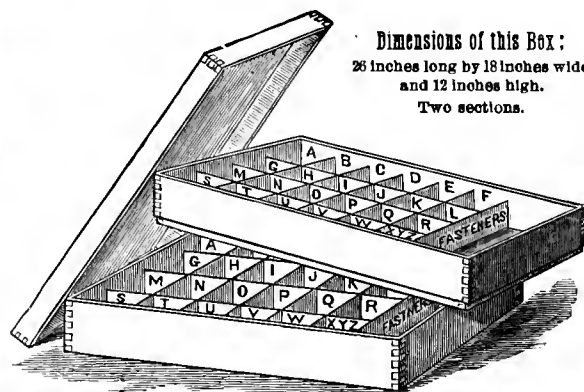
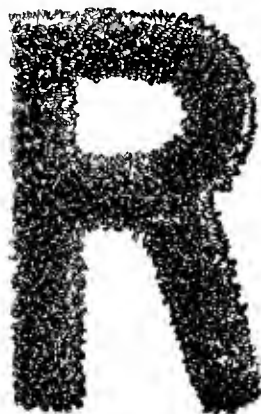
SAN ANTONIO, TEX.—Mr. Lewis Kaufman has given up his position as foreman with the Southern Nursery and has started into business on his own account, under the name of Phoenix Nursery, at the corner of San Jacinto & San Fernando streets.

BENNINGTON, VT.—Lucius M. Holton dropped dead of apoplexy at his greenhouse on School street on Wednesday morning, September 11. Mr. Holton was 67 years of age, and had been in the flower business in Bennington for the past fifteen years.

HOUSTON, TEX.—The third annual chrysanthemum exhibition will be held November 14-15. The printed premium list has been issued and copies may be had on application to Mrs. A. H. Mohl, Secretary. Professional florists all over the country are requested to make displays at this exhibition.

SPRINGFIELD, MASS.—Cornelius Van Brunt gave an interesting lantern lecture upon the wild flowers of the Connecticut valley at City Hall on the evening of Sept. 3. A large audience was present and enjoyed the entertainment. The fruit and flower show of the Hampden County Horticultural Society will take place on September 24 and 25; the annual chrysanthemum exhibition November 12, 13 and 14.

FT. WAYNE, IND.—Markey Bros. are overhauling and remodeling their down town greenhouses and store, expecting to be in good shape and ready for business by October 1. Mr. Geo. W. Doswell, who underwent an operation and was confined to the hospital for three months, is out and about again, hustling to make up for lost time. It was a case of peritonitis. Mr. Doswell's houses have been remodeled and improved and a good sized convenient office added.



Dimensions of this Box:  
26 inches long by 18 inches wide  
and 12 inches high.  
Two sections.

This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

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By M. A. HUNT.

### A PRACTICAL TREATISE ON THE CULTIVATION OF THE ROSE, CARNATION, CHRYSANTHEMUM, And other Flowering Plants for CUT FLOWERS.

Also, GREENHOUSE CONSTRUCTION, illustrated. Handsomely bound in Cloth, and sent to any address upon receipt of \$2.00.

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FLORISTS' SUPPLIES ONLY,  
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Florists' Supplies,  
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Send for Catalogue.  
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Just Received GANE STAKES  
EXTRA GOOD QUALITY.  
9 to 12 feet long, \$6.00 per 1000. 2000 for \$10.00.  
HENRY F. MICHELL,  
SEEDSMAN,  
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"THERE ARE OTHERS"  
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The Champion Ventilating Apparatus.



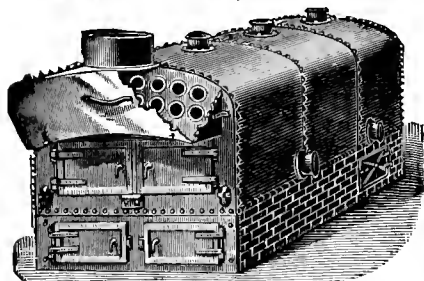
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Kennett Square, Pa.  
Mention American Florist.

John Conley & Son,  
Manufacturers of  
TIN FOIL  
2 AND 4 DOMINICK STREET,  
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## Kroeschell Bros. Co. IMPROVED Greenhouse : Boiler,

41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

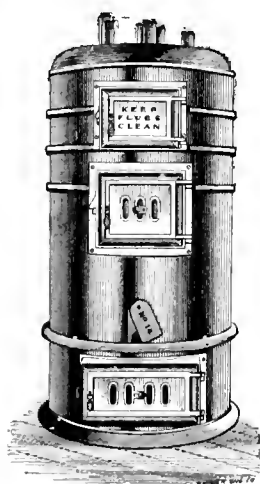
THE KINNEY PUMP.



THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent pre-paid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island. Only 29 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Secy Mt. Greenwood Cemetery Assn., Ill. "The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.



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OUR NEW WATER HEATER

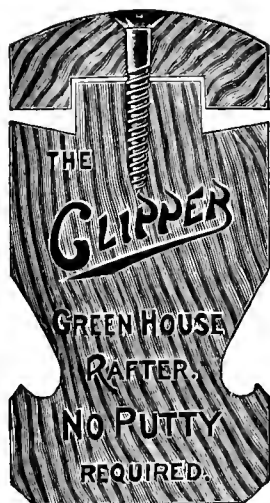
See our Fire Box, made to keep fire in.

Send for Price List.

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## Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rattlers, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

LOCKLAND LUMBER CO.

LOCKLAND, O.

## If you grow

Carnations, Chrysanthemums, Palms, Roses, Violets, or anything else worth growing, and are not feeding them with

### Albert's Horticultural Manure,

you are missing a mighty good thing.

It can be used in solution, as a top-dressing, or mixed with the soil. Put up in 10, 25, 50 and 100 pound packages for florists' use, and in 1, 2½, and 5 pound tins for retail purposes. Write for trade prices and pamphlet.

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NEW IMPROVED

### ORCHID CRIBS.

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AND SPECIALTIES.

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**FLORISTS WIRE DESIGNS**  
MANUFACTURED BY  
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## HOT BED SASH.

VENTILATING SASH. ALL SIZES TO ORDER.

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A corrected edition of our Trade  
Directory and Reference Book  
will be issued Jan. 1, next.

AMERICAN FLORIST CO.

P. O. Drawer 164. . . . CHICAGO.

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132 & 134 South Fifth Ave., NEW YORK.  
**NATURAL GAS MADE GLASS,**  
for Rose Houses, Conservatories, Etc., Etc.  
**GLASS.** ROCK BOTTOM PRICES. Send for  
Estimate. Satisfaction guaranteed.  
**REED GLASS CO.,**  
102 South 5th Avenue, NEW YORK CITY.

San Francisco.

Trade the past week has been rather satisfactory, at least the latter part of the week was so, as the Jewish New Year is on and there is quite a demand for stuff for church decorations, etc. Chrysanthemums are now fairly in to stay. Mme. G. Cassagneau and Belle Poitevine are the two first to make appearance; although not large they seem to go all right. Asters are gone for the season; their departure was hurried by the recent heavy rain. Violets are coming in very plentifully and are of very good quality, the stems being fine. Albums have disappeared, although a few rubrums are seen yet. Roman hyacinths have been received and the growers are busy getting them into shape.

Prof. Wm. A. Setchel has been appointed professor of botany at the University of California to succeed Prof. Greene, who departed for Washington lately. Prof. Setchel is a graduate of Harvard, and until his appointment was on the botanical staff of the Agricultural College at Boston.

The California State Floral Society has undertaken the work of a complete classification of roses. The question was brought up by H. G. Pratt of Fruitvale, who after having read a paper on the subject requested that a classification committee be appointed. The society acted on Mr. Pratt's suggestion, and a committee of seven was appointed to take up the work.

The California Violet Co. is making very extensive preparations for fall trade and their stock never looked better than at present. METEOR.

Worcester, Mass.

Trade remains fairly steady and I should say fully equal to a year ago, a few fall weddings and openings help keep up the average. Flowers are not exactly scarce, but so far the demand has just about equalled the supply, except perhaps in colored carnations. A heavy frost would shorten the supply terribly, as we are still depending largely on outside stuff. Roses are in very fair supply and the quality improving right along. The weather has been very hot this last week, but if the weather sharpens are not mistaken we will be all frozen up before this goes to print.

Splendid exhibitions of flowers and fruit are still the rule at Horticultural Hall and will continue weekly up to October 24. The 'mum show takes place November 7. A. H. L.

## Jones, McDuffee & Stratton, Plant Pots and Pedestals

of all grades, sizes and values, direct from the best Potteries of England, France, Germany, China Japan and the U. S.

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We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

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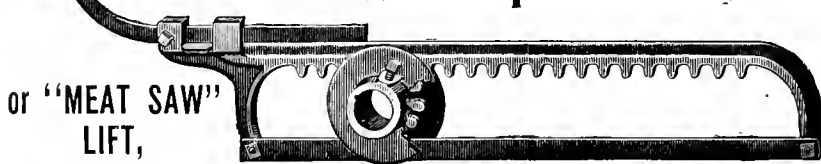
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SEE HERE MR., WHAT'S YOUR NAME, DON'T YOU NEED VENTILATING APPARATUS?

The "New Departure,"

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LIFT,



PRICE REDUCED TO  
SUIT HARD TIMES.

Will do the work quick, better, and COST LESS than any other appliance ever invented.

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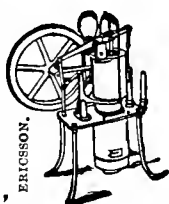
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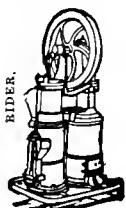
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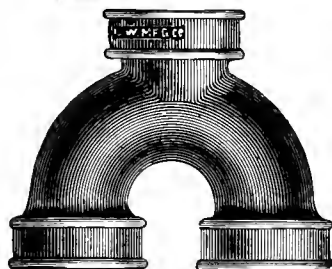
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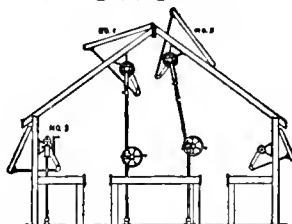
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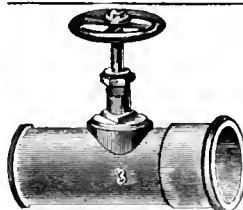
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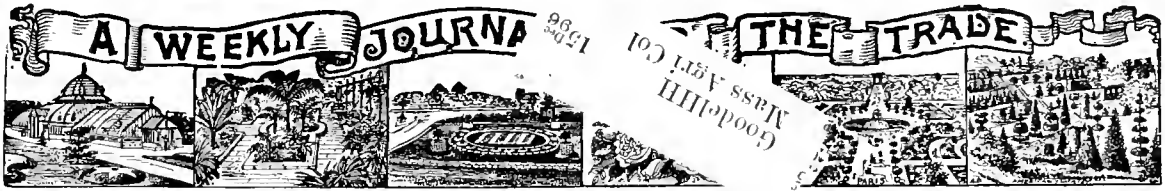
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Vol. XI.

CHICAGO AND NEW YORK, OCTOBER 5, 1895.

No. 383

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY.

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

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OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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TACOMA, WASH.—Mr. Fred R. Miethke has started into the florist business here at 1613 South 11th street.

ROCHESTER, IND.—N. A. Enyart has purchased the greenhouse of Mr. Ridgway and will continue the business.

PAWTUCKET, R. I.—Mr. J. Hogan has removed his greenhouses to Mineral Spring avenue, where he has a handsome store and a new show house for palms and ferns, the whole presenting a very fine front. The place is heated by hot water. He also has a branch store at 9 Park Place.

### The Specialist.

BY C. H. ALLEN.

[Read before the Boston Florists' Club October 1.]

In the early days of our country every man was not only willing but anxious to help his fellow man. Our industries, like our country, were undeveloped. The blacksmith was by force of circumstances compelled to make and repair everything made of metal. The house carpenter in building a house began his work with lumber in the rough, just as it was drawn to him from the woods. He made his own doors, sash and blinds; he planed his flooring, worked his own mouldings and was obliged to have a wagon load of tools for his outfit; he was also wagon-maker, undertaker, cabinet-maker and boat builder. The merchant sold everything from a needle to a canal boat, with liquid inducements for buying; in no one town or community was there sufficient inducement for separate tradesmen. The agriculturist grew everything his land was capable of producing. He kept sheep, whose wool his wife spun and wove into cloth, from which the family clothing was made. He grew flax, from whose fibre his sheets, shirts and towels were made under his own roof. My richest inheritance is a silver spoon that my grandmother bought with money she earned in spinning flax and weaving it into toweling. The doctor carried his drug store with him, he was dentist as well as physician. The merchant was justice of the peace and lawyer too; he drew up wills, mortgages and all legal papers and did it well.

As our country became developed and immigration built up towns and cities labor became systematized; machinery was introduced, so that the labor of one man was equivalent to that of a score but a score of years previous. The carpenter of to-day can with ease carry in one hand all the tools necessary for his line of work. His material is all prepared for him; he merely puts it together. The building of to-day in all large towns is done, not as formerly by one carpenter, but by specialists in every detail of the work. The carpenter is no longer the wagon maker, the boat builder, undertaker and cabinet maker, but each and every one of these trades has its specialist, and each trade is divided and sub-divided into different departments. The doctor is no longer the dentist. The profession of medicine now has its specialists and that too even in some small towns. The merchant is to-day merely a buyer and seller of distinct and confined lines of goods, excepting in some large towns and cities where you can buy everything necessary for household use under one roof, but each department of these large stores is under the care of a specialist. The greatest lawyers of today are confining their energies to one branch of law only; the practitioner in rural towns only will undertake every case offered him. Formerly some of, and

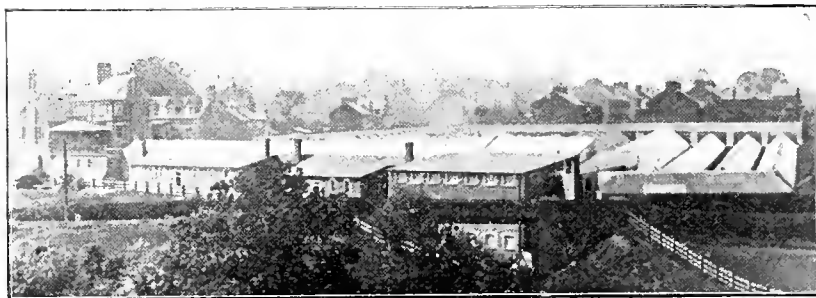
I may say many of our best politicians were merchants and farmers. How long does a business man of to-day stay in a political office? Not long, if he has any regard for his legitimate business.

In the early days of greenhouse work the florist or gardener, for he was both, grew everything in the way of plants or flowers demanded at that time, and all in one house. Camellias, roses, carnations, primulas, etc. Gradually as the taste for flowers grew and the demand warranted, a house was devoted to one family of plants. It was found that the camellia must have treatment different from the other plants the florist was growing. The same with the rose and carnation, but the florist still grew all that he had been growing, the only difference being that he did it in separate houses. The changes that have taken place during the past twenty-five or more years, you as growers and dealers know as well as I. In every branch of our trade the specialist is coming to the front the same as in every profession or mercantile trade. The rose grower is confining his attentions almost exclusively to the rose. The palm and plants closely allied to it are receiving the same attention. Our most successful chrysanthemum growers find that to make this flower remunerative they must give it their undivided attention for at least six months in the year; they must grow large quantities and in considerable variety in order to have a succession of bloom. The same facts apply to the carnation, violet, orchid or Easter plants. The grower in the vicinity of any large town or city must become a specialist. If he has a retail trade he must confine his attention to that line. It is fast being demonstrated that a retailer cannot successfully compete with the grower who is sending his whole product to market; the latter secures a regular line of customers from the fact that his supply is continuous, while that of the grower who has a local or retail trade is uneven in quantity and quality. A specialist becomes successful because his whole mind is centered upon one or two classes of plants, and his greatest success generally lies with the plant for which he has the greatest taste, simply because his whole energy is devoted to that plant. Many greenhouse establishments are attaining such immense proportions that they are getting beyond the personal supervision of the proprietor. To keep up the standard of his stock he must have the assistance of trained help or those who have become thorough specialists. Such men are hard to find, for as a rule as soon as a young man becomes competent to grow any one line or class of plants he starts in business for himself. This is all right, but it would not happen so often did the employer adopt the same business methods as some of our great mercantile houses; they give the employee who is worthy of a high posi-

tion an interest in the department which he has helped to build; not so, as a rule, with the florist. I know of several seed houses where the trusted employee has received recognition for his faithful services in the shape of a share in the interests of the business. This is also the case in one or more greenhouse establishments. These places are among the most successful in the country. A thorough specialist is at the head of each branch of the business.

Some will say what will become of the private places if all growers confine their work to a few specialties. The private gardener has a much harder berth to fill than the commercial grower, although he has only the wishes of one family to fill. He must understand how to grow everything from a radish to a palm. He becomes a specialist in his line. Many young Americans have been restrained from becoming private gardeners from the feeling that they could not with dignity accept such a position. I regret to say there is too much dignity in the young American of to-day, and valuable positions are now being held almost exclusively, in fact with but few exceptions, by aliens who have become proficient in their calling under the instruction of men in the old country who are specialists in the positions of private gardeners. The time when private gardeners in this country were obliged to do very much work that an ordinary day laborer could do is past, and the gardener of to-day who is entitled to the respect of his employer receives it, and in full measure. The private gardener of to-day must have a far more extended knowledge of requirements of plants, or I might better say plant life, than the commercial grower, for he must produce effects only to be derived from the knowledge of landscape gardening, but as a rule he must confine his greenhouse work to the same unfortunate condition that existed many years ago; and to produce results inside to meet the expectations of his employer he must be far more careful and have a keener perception than the commercial grower. The young man who to-day would take up the profession of a florist, or what is exactly the same, gardener, should determine which line he will adopt, for the difference between private and commercial gardening is entirely distinct. Many private gardeners have become highly successful growers for the wholesale market, but the advantage to the young man who will apply himself to the growing of one or not more than three special lines can easily be understood. If he would become a commercial grower let him procure a position with the most successful one possible, and the same if he would follow the other line. Study, in whichever path he follows is indispensable, the same as in any trade or profession. It is the industrious worker who spends his spare hours in the search for the published experience of others who becomes head and shoulders above his fellow workmen who spend their evenings in search of mere games or pleasures that end merely in the performing or receiving of the same.

The growing of flowers is increasing very fast; perhaps as in manufacturing industries too fast, but the demand for flowers is also increasing, in the near future the demand for thorough specialists as foremen will be as now hard to fill. The plant and cut flower industry is bound very soon to assume the same relative position with all producing industries, large sales and smaller profits, and it will take a thorough specialist to declare a dividend upon the investment.



PARTIAL VIEW OF F. SANDER & CO.'S PLACE, ST. ALBANS, ENGLAND.  
THROUGH AMERICAN EYES.

#### Through American Eyes.

ENGLAND.

F. Sander's establishment at St. Albans is a commercial place of the first rank. Here are to be found all the leading novelties in plants for greenhouse culture, orchids being special favorites. The large ranges of glass are kept in the best of order and every nook and corner is made use of to beautify by means of artificial rockwork filled with ferns, foliage plants and vines. These miniature cliffs are made of cement and are very picturesque, pockets being formed to hold soil for plants. Rex varieties of begonias are used with good effect, the Rajah, a new one, being especially fine. Where it is necessary to damp the houses frequently they are fitted with water pipes along the edges of the benches, center beds and rockwork, these have holes at short intervals through which the water is directed against the sides of the tables, beds, etc. This is a rapid and effective method, as in a few minutes the atmosphere is changed and the water can be turned off.

Many novelties are first introduced to the public from this place, while rare plants are here in comparatively large numbers. *Habenaria Susanna* is a new white orchid bearing beautiful flowers on long spikes. There is a large stock of *ærides*, and one of the largest collections of white *Lælia anceps* in the world. White *sobralias* are also plentiful, and there is a good stock of *Cœlogyne hololeuca*, a pure white without even a trace of yellow. *Oncidium splendidum*, a fine yellow but very scarce, was represented by some fine specimens. There were whole benches of *Cattleya labiata*, all in fine condition. This beautiful orchid was discovered 80 years ago by a Mr. Swainson, a butterfly collector, who brought it to England along with some others. When it flowered its great beauty attracted the attention of all orchid growers and Mr. Swainson said that he had found it near Rio in Brazil. Though many attempts to locate it were made it could not be found and all plants then in cultivation were carefully grown and highly prized. About six years ago, however, there was exhibited at a Paris flower show an orchid under the name of *Cattleya Warocqueana*. This was recognized by experts as the long lost *C. labiata*. It had been sent to a gentleman in Paris from Pernambuco. Experienced collectors were at once dispatched to this distant country, where the plant was found growing in moderate quantities. It is now classed as one of the best commercial varieties.

Quite a novel sight was a lot of *Odontoglossum Harryanum* planted out on a side bench; they were growing luxuriantly.

*Oncidium Forbesii* with its brown and yellow flowers looked very beautiful. *Odontoglossum vexillarium Leopoldii*, new, was said to be fine when in flower. *Cypripedium Chamberlainianum* was named in honor of Mr. Chamberlain, a wealthy member of parliament, whose family has amassed a fortune through the manufacture of screws, and as the long petals of this variety have a twisted screw-like formation it was named for him, and it is said that he was much pleased and has a flower of this variety in his buttonhole whenever it is in season.

A great many orchids are grown annually from seed, many flowers being carefully fertilized. The seed seems to germinate best in the sphagnum on the tops of orchid pots and quantities of young stock could be seen in various stages of growth. *Cattleyas* bloom in from six to seven years, while cyps. will flower in from two to three years from time of seed germination. An interesting and curious sight was a plant of *cata-setum*, an orchid grown from seed that had lodged over a doorway in one of the houses; it was doing nicely and had bloomed the past summer. A lot of orchids were being selected for auction sales in London; many plants are disposed of in this way, particularly freshly imported stock.

A valuable new plant introduced and now being sent out by Mr. Sander is *Dracæna Sanderiana*. This was first exhibited in this country at the World's Fair in Chicago, when it attracted considerable attention. It does not resemble the ordinary type of *dracænas*, such as *terminalis*, the leaves being much shorter, narrower and farther apart on the stem. The color is green with a wide margin of white to each leaf. This white border does not bleach or change color and the whole plant presents a very sturdy growth. In its young state, from six to eight inches high, it will make a capital center for a table fernery. To grow on for a decorative or house plant it should be placed three or more together in a pot, and will then make a very desirable specimen. That this is very likely to become a useful trade variety and one that can be readily propagated we will instance Mr. Wm. K. Harris of Philadelphia, who obtained in December, 1893, three plants four inches high, little more than rooted cuttings. His stock now numbers five hundred plants, the smallest being almost as large as the original stock.

A new palm on the order of the sea-forthia, called *Bentinckia nicobarica*, was seen; it is light yellowish green in color and seems like a strong grower.

A large and elaborate work on orchids is being published by Mr. Sander; it is called *Reichenbachia*. It is published in parts and is very large, some of the plates





DRACÆNA SANDERIANA.

A BIT OF ROCKWORK AT SANDER'S.  
THROUGH AMERICAN EYES.

being over 24 inches long; the numbers issued contain 192 colored plates, all life size and true to nature.

For some time Mr. Sander has been considering the idea of having an auxiliary establishment in Belgium, where with the advantages of cheap labor and a suitable climate combined with modern up to date greenhouses he could grow the most popular varieties of plants in large quantities, and supply the wholesale trade both in America and Europe with first-class stock at low prices. Last fall he purchased a tract of land in Bruges, about 25 miles from Ghent, and commenced the erection of one of the most complete trade establishments to be found anywhere. One large range of six houses 220 feet long by 24 wide was entirely finished and filled with stock. These houses are built in the most substantial manner, the walls are of brick with long arches in the dividing walls to admit heat and allow air to circulate into the adjoining house. The space between the houses is two feet, and this with the exception of the arches is filled in with earth, on top of which is built brick and cement gutters. The woodwork is all yellow pine, finished in oil, not painted. Between the rafters is an iron purlin braced with an iron rod and screw to take up any sag of the sash bars. The frames of the tables are all of T iron and the bottoms tile or square porous bricks. Most of the tables are double, having an additional shelf about six inches below the top; this is covered with coke and whenever the house is syringed the coke is thoroughly soaked and helps to keep the atmosphere moist.

There is one house for large palms 220 feet long by 25 wide, this has a bricked center bed filled with tan, in which are plunged latanias. The size of glass used is 18 by 24 double thick. The lower edges of the panes are rounded off, the center of the pane being one inch longer than the edges and set concave side down, this draws the rain water away from the rafters and down the middle of the glass. The principal stock grown in this range is kentias, latanias and large quantities of the best commercial varieties of orchids. All the stock is in fine condition. Quite a lot of *Dracena Bruantii* is growing planted out on the tables, and large lots of kentias were seen plunged in tan, smaller plants being arranged between the larger stock to economize room. There is a fine stock of *aspidistra* and an immense stock of latanias; at the rear end of each of these houses, there is a potting shed partitioned off and the same width as the house. The front or entrance to each is a pretty piece of artificial rockwork planted effectively with choice plants. Kentia seeds were starting under the tables and are potted after beginning to sprout. Over 5,000,000 kentia seed had been imported by Mr. Sander the past season for his own use and to supply his trade.

A range of ten houses 100 long by 10 wide were approaching completion; they are in one block with brick outside wall and no divisions, the gutters being supported on iron posts, which also formed the back leg of the benches. These are very simple and economically constructed houses and at the same time looked as if they would stand a long time. A light framework supporting burlap extended across the ridge poles of the houses from end to end to give the necessary shade. The larger houses are covered with narrow slats that were rolled up by ropes. A propagating house has at intervals an iron clamp in which the sill was set, from this an L about 12 inches long projected



down the inside and was built into the wall, preventing the sill from being pushed off by the weight of the roof.

Outside a great number of azaleas and bay trees were coming on, the azaleas being planted out in beds and the bays growing in tubs. A slat house open on the sides was filled with araucarias of various sizes, and all in fine condition.

Mr. Sander is very enthusiastic over orchids and predicts a great future for them. People, he says, will never tire of orchids; their beautiful and unique forms containing all the colors of the rainbow will always command admiration, even in the same variety there will scarcely be found two flowers exactly alike. Their keeping qualities also commend them and taking all in all they are sure to become popular. K.

#### A Very Small Commercial Place.

A plan of a small greenhouse is referred to me from Stockbridge, Mass., with a long letter asking some questions, but largely informing us what the owner intends to grow in this "model house." There is a request to the editor that a plan of it be published, but I scarcely see the utility of it, because I cannot approve of the plan even for a very small beginner. The whole thing is only 20x30, with a 10-foot shed on the north side, and this little house is divided into 5 benches, 4 paths and 4 doors—plenty of exit in case of fire. The shape of the house is  $\frac{3}{4}$ -span, long span to the south. The owner says he will butt the glass, using the clipper bar and cap. In that he is right, but don't use 14x24 or 16x24; use 14x14 or 16x16, always glass that is square when butting. Why not butt the glass on the east and west ends? There is the very place for it.

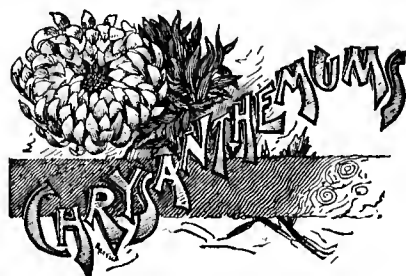
The plan shows a partition running across the house from north to south dividing it equally, the east side to be used for roses, the west for carnations. Chrysanthemums are also to be grown; also lettuce and cucumbers. Any house will grow cucumbers after March 1, but rose houses are not warm enough for cucumbers in the winter time. Lettuce needs but a cool house. If you really want to grow roses and carnations don't attempt to grow lettuce among them. It can't be done with justice to either.

I see no reason why this little house should not grow a few roses and carnations; all the benches will have equal light, being raised from front to back. To control the heat in each compartment I would advise the pipes to be arranged as follows:

Put the boiler down as low as you conveniently can, 6 or 7 feet is about right if you have drainage. Raise straight up from the boiler with the flow pipe (a 3-inch) to about 18 inches above the floor line, then run along the partition, dropping one inch to the south end, and return with a 3-inch, dropping one inch back to the shed, and then dropping perpendicularly down to bottom of boiler. Run the flow and return on the rose house side of the partition, because when you want heat at all you will want it for the roses, but not as early or late for carnations; from the 3-inch run  $\frac{1}{2}$  inch pipes along the side of the benches or under the benches east and west. Put valves on the  $\frac{1}{2}$  flows that run into the carnation house, so you can shut off the heat there when desired. In running the  $\frac{1}{2}$  inch pipes, which I will call the laterals, let them drop slightly to end of the house, and in returning drop back again to the return. Such a house as the plan shows

would need in addition to the 3-inch flow and return 12 runs of  $\frac{1}{2}$ -inch pipe for the rose side and 8 runs of  $\frac{1}{2}$ -inch for the carnation compartment. Raise up in the shed as high as convenient a barrel, and from it run a  $\frac{3}{4}$ -inch pipe either entering the bottom of the boiler or connected with the return near the boiler. This is your feeding cistern and some convenient way should be found to keep it full. From the elbow where the upright flow turns to enter the house tap in a half or  $\frac{3}{4}$ -inch pipe and run it up and into the top of the barrel or a few inches higher if you choose; that pipe will let any air escape, as the elbow is the highest part of the whole system. When you put in the tees for the lateral pipes be sure and lead perfectly horizontal so that the hot particles of water have an equal inclination to flow on in the 2-inch as well as into the  $\frac{1}{2}$ -inch.

In conclusion, to be candid I don't approve of the plan. There is too much expensive staging. An equal span house running east and west is much simpler to build, to heat and to run. WM. SCOTT.



Chrysanthemum Notes.

Mildew is often perceptible at this season of the year, and is brought about by sudden check caused by severe change in temperature, which generally presents itself first near an open door or ventilator. It is best from the middle of September on to avoid strong drafts in the houses, especially when a cold wet spell suddenly follows excessive heat. Sulphur is the remedy generally used, and may be applied to steam pipes same as for roses, or by dusting it over the plant, but the latter method will necessitate the closing of the ventilators at about 4 p. m., so as to raise the temperature to 80°, as sulphur emits vapor more freely in heat. We have of late years used sulphur and tobacco dust mixed together at the approach of cold nights, the former as a preventive for mildew and the latter to keep the aphid in check, thus "killing two birds with one stone."

The lateral growths are continuing to push out and should be removed as soon as they appear, for they will use up material that would otherwise increase the size of the flower.

There has been considerable written during the past two seasons about the variety Golden Wedding, both commendable and otherwise. This grand variety has, with us, so fully redeemed itself that it seems but just to mention it. The first season after dissemination (fall of '93) we did not secure a flower from some one hundred plants, owing to the disease with which it was affected, but last season as well as the present there is not a trace of it. It is not as vigorous through the winter months as many sorts, making it somewhat slow of propagation, but when well established on the benches it produces very strong canes. We doubt if there is a yellow that can equal it in these three desirable qualifications, namely size, brilliancy of color and grace and elegance

of form. It is certainly one of the best that Japan has produced, or rather that has come to this country from that source.

ELMER D. SMITH.

#### Judging New Chrysanthemums.

The committees appointed by the Chrysanthemum Society of America to judge new varieties, either seedlings or sports, are composed of the same gentlemen this year as last at Boston, Philadelphia and Cincinnati. H. A. Stollery, Argyle Park, Ill., succeeds Frank Leslie, of the Chicago committee, and the judges selected by the New York Florist Club will act in this capacity in that city. The following rules must be invariably complied with, viz., not less than six blooms of each variety to be shown, and these only such as have been given the second year's trial. No member of a committee shall show his own blooms before the committee of which he is a member.

At the Pittsburg meeting it was decided to ask \$2 entry fee for each variety exhibited, without extra charge for exhibiting before several committees. All entries and remittances to be made to the secretary not later than Tuesday preceding the date they are to be shown. All blooms will be carefully examined if charges are prepaid and addressed as follows: A. H. Fewkes, Horticultural Hall, Boston, Mass.; John Young, secretary, 51 West 28th street, New York City; Edwin Lonsdale, 1514 Chestnut street, Philadelphia, Pa.; R. Witterstaetter, corner 4th and Walnut streets, Cincinnati, Ohio; W. N. Rudd, room 202, 185 Dearborn street, Chicago, Ill. The committees will be in session October 12, 19, 26, November 2, 9, 16 and 23.

Foreign novelties may be submitted to the committees under same rules governing seedlings (except the clause relative to second year's trial).

ELMER D. SMITH, Sec'y.

Adrian, Mich.

#### Chrysanthemum Buds.

Would it not do to say "leading bud" and "lateral bud" early and late? The mortification of the language is often as unnecessary as it is perplexing.

J. MCP.

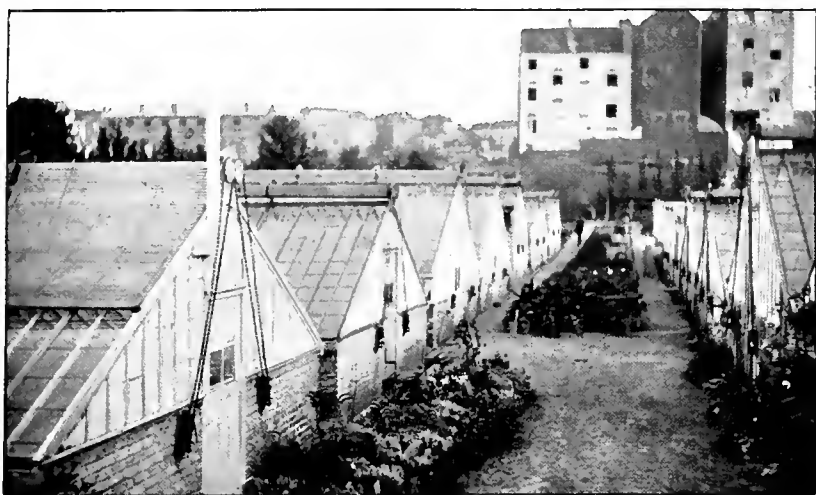
The terms crown and terminal as applied to chrysanthemum buds are certainly confusing to the majority, especially to amateurs, as the meaning of both terms are the same. I can see no objection in using "leading bud" or "primary bud" in place of crown bud, but should this change be generally accepted there would be no necessity to change the present term "terminal," as it implies the final or last bud. The adoption of a comprehensive and more fitting term for crown would be appreciated by all beginners.

ELMER D. SMITH.

#### Through American Eyes.

##### SHADING.

It is considered necessary in Ghent to shade all palm houses very heavily, and as shading is also used to a greater or less extent in the United States we will describe a plan such as seems to us to be the best here. Mr. F. DeLano in Brussels has a shading system on all his houses which is quite elaborate, and which he has had in use for some eight years. It consists of a series of slats bound together side by side with galvanized iron loops which project from the edges of the slat



SHADING APPARATUS AT F. DE LANO'S, BRUSSELS.

about one-eighth inch. These loops are connected by a small ring of the same sized wire. When a sufficient number of these slats are fastened together to extend from the ridge to the eaves of a house they can be rolled up like a mat or a piece of cloth, or can be laid the other way on a small house and rolled up by hand. Mr. DeLano's system consists of a roller on the top or ridge pole of his houses; every eight or ten feet is an iron rib or rail from the ridge to the eaves. On the bottom of his slat sections there is a metal rod with a small wheel at either end which runs on the rails as the shading is being put up or down. The roller is worked by a chain and sprocket with a moveable handle in much the same manner that a store awning is managed. It required but little effort to raise the slats on an eighty foot house and the whole apparatus did not seem as if it added any material weight to the roof of the structure. We must say that we could see little if any advantage in the growth of the plants in these houses as compared with those more heavily shaded, but there is no doubt that in some cases it would be quite beneficial and useful. K.

#### Tomatoes for Forcing.

What variety of tomato is the best for forcing?  
CANADIAN SUBSCRIBER.

In all our experience in forcing tomatoes we have found the Early Essex to fill the bill better than any other, though we grow a few Chimin, Cleveland, May's Favorite and Nicholson's Hybrid, all of which are larger than the Essex, where size is a requirement. WM. C. WINTER.

#### Double Sweet Peas.

Mr. Hutchins is right when he says that there is no such thing as a double sweet pea. Three years of close selection of my best stock does not improve it any. We may at some future day get a flower in which the standard is developed into three full petals, but this would not be doubling the flower in the full meaning of that term. WALDO ROHNERT.

Foreman C. C. Morse & Co.'s flower seed department, Gilroy, Cal.

#### The California Violet.

In regard to C. G. Knott's query in the FLORIST of September 28 in regard to the

California violets, would say that we bought 100 of them last winter, and when they arrived they were in anything but a promising condition; they were potted in threes and planted on a bench late in July, one foot apart. They immediately started growing and are now fine healthy plants, and the bed is one mass of luxuriant foliage. The flowers thrown so far have not been up to what was claimed for them, but of course it is too early to judge yet. A. H. L.

#### Pittsburg.

There is very little change to report in the trade situation here since last week, although we have had several severe frosts, and early this week ice was formed in exposed localities; this will curtail the supply of outdoor flowers very rapidly and thus improve the trade of the growers with greenhouses.

Mr. John Bader had a very narrow escape from his greenhouses being destroyed by fire a few days ago. A barrel with oil rubbish caught fire, but the fire department extinguished it after burning out the corner of two of the houses. Mr. Bader was in a nearby barber shop and saw the engine go past but did not know from where the alarm came; he was very much surprised to find his property was furnishing the food for the flames, but as the loss is only between fifty and one hundred dollars he is congratulating himself on the good work done by the city's fire department, there being a large quantity of paint and oil in near proximity to the flames.

The improvement in business continues. One of the new ventures in the florists' line, Miss E. B. Maxwell, formerly with Mr. P. S. Randolph and later with Randolph & McClements, has opened a cut flower store at Wilkinsburg, a suburb seven miles from the city, which has a population of about six thousand, and reports her business as being beyond her anticipations. She is catering to the best custom and keeps nothing but first-class stock for sale.

E. McConnell & Son, the carnation growers from Sharon, Pa., were with us on Tuesday and report trade good.

The club held its regular meeting on Tuesday night at the Hotel Schlosser, not having succeeded as yet in securing permanent quarters, but we are living in hopes of accomplishing that most desirable and necessary arrangement very soon.

There was a very good attendance and a great deal of interest shown for the future of the club; four new members were elected with some others in sight.

The flower trade is improving in a very satisfactory manner as to volume. Some complain of prices, but with the active competition and all hungry after orders, higher prices will be slowly secured. The sales are fully up to September standard and will increase as the society season fully opens.

Randolph & McClements report two weddings for next week and two the past week, with store sales increasing, and all have a good share of funeral work.

Gustave Ludwig furnished last week a very fine floral design at the funeral of the oldest letter carrier in Allegheny, ordered by his co-workers in the office. It represented a cancelled envelope; the design was four feet wide and three high, and made up of white and red roses, carnations, tuberose and asters. On it in purple letters was the name "Allegheny Post-office, No. 39," and the hour of his death, 1:45, the date of cancellation stamp. It stood on an easel, making a remarkably fine appearance.

At the parks everything is booming. Carnegie Library is to be formally opened by November and the preparations for that event at the Phipps Conservatories are in keeping with the magnitude of Mr. Carnegie's gift. Mr. Bennett expects to have the finest flower show at that time that has been offered to any public. The library is a gift to Pittsburg from Mr. Andrew Carnegie and the conservatories a gift from Mr. Henry Phipps, one of his partners in business. Mr. Bennett has three houses devoted to 'mums, in two of them they are planted out, and in the other they are in pots, about 15,000 plants in all; with the other houses in show trim also an idea may be formed of what is expected. We anticipate the attendance at the opening of President Cleveland and many other high dignitaries of the country.

Director E. M. Bigelow has closed the accounts in connection with our huge Fourth of July celebration. He has also approved plans for one of the new bridges in Schenley Park, and as soon as the bids are in it will be erected. The proposed bridge is 250 feet long, 80 feet wide and 150 feet above the hollow over which it is to cross; the estimated cost is about \$100,000.

The visitors of the week have been Prof. Cowell of Buffalo, N. Y., and Prof. Halsted of the New Jersey Experiment Station. REGIA.

#### Clinton, Mass.

This town has been built up practically by the textile industries represented here, and many of the operatives who have gardens and grow flowers and vegetables have for the past three years held a public exhibition under the auspices of their society called the "Clinton Amateur Horticultural Society." The third annual show was held September 7 and was a decided gain over all previous, especially in the quality of exhibits. The collections of vegetables, big leeks, celery, cabbages and fruit were very meritorious. Some of the exhibitors of flowers had only window boxes or in some cases roof gardens composed of boxes of soil, but all showed the greatest care and keen rivalry to obtain the coveted honors. A few questions elicited the fact that seeds were obtained from a multitude of sources, and there seems to be few that have not been tried, such ambition is there to get all there is

to be had of advantage in superior strains of seeds. The local florists are asked to stage a berch of decorative plants each, which they willingly do to help out, and to display their skill, and three of the gardeners in the vicinity are asked to come and judge the exhibits, and this often proves no easy task.

This society is already recognized as a step in the right direction by the public, and it is gratifying to find it is well patronized and that it pays its way. Good music is furnished and the admission is 10 cents. As a means for fostering a love of horticulture among the masses of our toiling populations there seem to be few better than this one, and all credit is due to the founders, who it should be stated were all Scotchmen, and originally held their show in some one or other of their homes until they had members enough to make the exhibition public. Monthly meetings are held all the year, and a small fee secures membership and all other privileges.

A word should be said as to the method of doing justice to each exhibitor irrespective of personal reasons on the part of judges, should there be any. Each exhibit is attended by a sealed envelope having the exhibitor's number only outside, and the judges mark the award outside also; those so marked are then taken to the committee room and opened in the presence of all, and the prize cards made out to correspond with the names of the exhibitors contained inside the envelopes, and it is needless to say that the plan is exceedingly simple and works to the detriment of none. The premiums offered are not large, and often go unclaimed by members in order to aid the society, but great stores are set by the prize cards, which are neatly printed in colors and taken home in triumph by the possessors.

#### New York.

The cut flower business has been very quiet during the past week. The weather has been red hot and has fairly knocked the bottom out of everything. There has been an enormous oversupply of all kinds of flowers, more especially roses and carnations. The roses have averaged rather inferior in quality, a natural result of the unfavorable temperature, but they are now beginning to look up again, and American Beauties show a decided improvement in color. Roses have sold as low as \$5 per thousand, and rates run from this figure up to \$16 per hundred for good American Beauties. Carnations are coming in thick and fast, and the quality of many is remarkably good for the season. This applies particularly to Scott and McGowan. They are not bringing, however, what they should; one dollar is top price, and good Scotts have been sold as low as \$5 per thousand. The first chrysanthemums of the season came in on September 30; pink from Dailedouze Bros. and white from Julius Koehrs. There have been a few violets, but they have been very poor. The retail trade starts very slowly and buying is done very cautiously. None of the stores seem inclined to carry any large quantity of stock; knowing that they can obtain it when it is wanted they wait until they are assured of the sale.

Among the large dealers quite an activity is reported in Dutch bulbs. Plant shipments from Belgium are beginning to come in, and they appear to be uniformly excellent in quality. Shipments will be a little late on account of the drouth and heat in Europe, and it is said that in France particularly the nursery crop has

suffered especially on this account, and that the principal fruit stocks, with a few exceptions, will be scarce again.

Mr. Ernst Asmus has resigned from the presidency of the New York Cut Flower Co. on account of ill health, and Mr. J. N. May succeeds him in that position.

#### Rochester, N. Y.

Being away from home your correspondent is unable to give accurate and exact details of trade notes, but it is safe to say, by information received, that business has improved wonderfully during the last few weeks, and that a number of so-called fall openings and several stylish weddings called for elaborate decorations, which together with the increased demand caused by people returning from summer resorts and from abroad made rather lively times for the florists, reminding them of the busy days in midwinter, and it is to be hoped that this good beginning may last throughout the coming season. As I understand, choice flowers, especially roses and carnations, have not been overplentiful in the last few weeks, the demand for first-class goods being rather brisk, and all available stock of such sold at first sight on arrival. Outdoor stuff of all descriptions and of all grades is still to be had in quantity, notwithstanding the unfavorable and dry season, but before many days we may look for a perceptible reduction in the quantity of outdoor flowers, for in our locality frosts may occur at any time in the latter part of September, destroying most of the useful and desirable field grown flowers, and usually florists feel more confident after outdoor goods are entirely out of the way.

In my little journey I also happened to be in Pittsburg and met Mr. Gus Bennett, by whom I was very cordially received and shown around. The palm house has been rearranged since the convention, and the plants presented a different aspect, showing remarkable vigor and health, free from blemishes of any sort. In one of the sections a batch of *Cattleya labiata vera* was in full bloom, and was the admiration of everybody, the plants having made a very vigorous growth. Most all of them bore three to four flowers on a spike, showing good treatment and perfect culture. *Dendrobium formosum giganteum* and *D. Phalaenopsis Schroederianum* were represented by well flowered specimens, as also was a very large pan of a dark colored *miltonia*, the specific name of which I do not recollect; the plant was literally covered with flower spikes and in remarkable vigor. In the lily pond, besides the nymphæas we found *Victoria regia* in bloom and the large leaves were of a dark glossy green, in fact good care and sound judgment was in evidence all through the department. There certainly will be a remarkably fine show of chrysanthemums, both on the benches and in pots, the plants having made a very vigorous growth within the last few weeks.

The herbaceous plant notes, which appeared from time to time in these columns, will be resumed next spring under the same heading, and the writer is in hopes to awaken a more general and growing interest and love for this class of plants, not only among commercial florists but also in private gardens and among amateurs, as these old fashioned and in most cases easily handled plants should receive the attention they clearly deserve. Many of them are not only ornamental and useful in the borders of the garden, but also of great value in the

cut flower trade, and therefore no florist should be without a collection of these valuable plants.

The 55th annual exhibition of the Western New York Agricultural Society was held here September 23-27, and being the only exhibition of plants and flowers held in this city, the floral hall was filled to its utmost capacity, but the premiums offered being comparatively small, professionals exhibits of plants were light, although in cut flowers the growers came out in full force. J. B. Keller Sons took first premium for largest and best display of cut flowers, and also for best display of new cut flowers never before exhibited. In collections of dahlias F. L. Payne took first for 24 and 12 blooms, and also for American seedling. In roses J. B. Keller Sons received first for greatest number of newest and best varieties, also for best 24 distinct varieties and best 12 varieties. Carnations were well represented, and J. B. Keller Sons were awarded first for largest and best collection. For collection of annual phloxes F. L. Payne captured first and also for the best new named variety of above. For the best collection of hardy perennial phloxes Ellwanger & Barry received first premium and for best new variety, never before exhibited, J. B. Keller Sons came out first. In the exhibit of perennial phloxes, the judges found it difficult to decide and had to call in the assistance of the fruit judges to arrive at an agreement. In verbenas, best collection of finest named varieties, the first premium was deservedly awarded to F. L. Payne, also for seedling raised by exhibitor and never exhibited before. For best collection of German asters J. B. Keller Sons received first; for new variety of asters F. L. Payne got first.

In pansies Donnelly Bros. were awarded first, and also for best collection of double named petunias; best collection of single petunias F. L. Payne was first. For largest collection of ten week stocks J. B. Keller Sons received both first and second premium. The display of gladiolus was very large and fine, but Fay Kennel of Gates, N. Y., who makes a specialty of them, was an easy victor over his competitors, taking first for largest and best collection of named varieties, also for best 25 distinct varieties, 3 spikes of each, and American seedling gladiolus.

For collection of floral designs, 3 pieces, the first premium went to J. B. Keller Sons, also the following: single floral design of any description, design for funeral purposes, design for wedding decoration and design for table decoration. In bouquets the same firm was awarded all the premiums for pair of hand or bridal bouquets, pair of loose parlor bouquets, and also for best arranged basket of flowers.

In the display of cut flowers, F. L. Payne's (formerly Payne & Verness) collection of dahlias was exceptionally fine, both in large show flowers and pompons of all possible colors and shades; he makes a specialty of dahlias and verbenas and grows these in very large quantities. His verbenas are all of the large flowering type and are claimed to be the finest in existence. Mr. Geo. Arnold, Jun.'s display of sweet peas in 60 distinct varieties, which were not entered for competition, were far ahead of anything we ever saw in this line, considering the advanced season; he deserves, in addition to his acquired title "King of violet growers," also to be named the king of sweet pea growers. In plants J. B. Keller Sons got all the premiums for the following: The



AVENUE OF STANDARD BAYS, GHENT  
THROUGH AMERICAN EYES.

best 20 distinct greenhouse and stove plants, the best 10 ditto, the best plant of recent introduction, any description. This was a well grown specimen of the new blue spiraea, *Caryopteris Mastacanthus*, covered with its deep lavender blue flowers. Also for best collection of ferns, best collection of flowering begonias, best collection of leaf or Rex begonias and collection of new plants not exhibited before. Among them were *Acalypha Hamiltoniana*, *Strobilanthes Dyerianus*, begonia King Rufus, *Hypericum Moserianum*, etc.; also for the best collection of blooming orchids, not less than 12 distinct varieties. The above firm also took first premiums on hanging baskets and on lawn vase, on 12 specimen plants of geraniums double and single and on 6 specimen geraniums. All of these were in 9 and 10-inch pots with 30 to 50 trusses of perfect flowers, not over 18 inches high and 1½ to 2 feet through, and had retained all their leaves to the base.

In the exhibit of fruit Ellwanger & Barry were in the lead, and as usual captured nearly all the first premiums, other exhibitors having to content themselves with seconds. John Charlton and J. S. Craib acted as judges in the fruit department and William H. King and Chas. Swift for the cut flowers and plants.

J. B. K.

#### Toronto.

Our frigid friend John Frost has returned from his summer resort up at the North Pole and made his annual debut in Toronto one night last week. Not much damage has been done yet except that outdoor stuff begins to have a seedy, worn-out appearance.

The last cricket match of the season took place last week; it was between sixteen of the Gardeners' and Florists' and eleven of the Parkdale clubs. I deeply

regret to say that in spite of superior numbers the G. & F.s were not in it as regards making runs, but there was lots of fun and good fellowship, and those who attended had a thoroughly enjoyable time of it.

Thanksgiving Day will be on the 21st of November this year, so that the Toronto chrysanthemum show will take place in the third week in November again, viz., from the 19th to the 22nd. Mr. G. H. Carter, 280 Gerrard street, the secretary, will have the final prize lists published in a few days, and will be happy to forward one to any who may desire one.

Trade is slowly picking up, a gradual increase may be noticed week by week, and in Toronto as in other places there is promise of much more business being done than there has been for the last few years. We can stand all the increase we are likely to get, I expect, and still pray for more.

Chestnut Park, until lately the seat of Sir David Macpherson, and at one time the finest private horticultural establishment in Canada, is now scarcely more than a memory of the past. The greenhouses are still standing and the garden is still there, but their forsaken and forlorn appearance makes those who have seen them in their full glory feel quite sad. Mr. Geo. Vair, who has been head gardener and steward for about forty years, must feel like a mother deprived of her children; he is a true gardener and loves gardening in all its branches as only a true gardener ever does or can. Mr. Vair will shortly move from the house he has occupied so long in Chestnut Park to one of his own on Macpherson avenue, and as I suppose it would be impossible for one of his disposition to give up horticultural pursuits altogether those who wish to profit by his long experience and practical knowledge in the way of laying out parks, gar-

dens or cemeteries, building, furnishing or heating greenhouses, etc., will do well to consult him. Out of respect to Mr. Vair's modesty I will forbear mentioning more of his many virtues here; they are well known by nearly everyone in the profession in Canada, and by very many in the United States. E.

#### Cleveland.

The weather man during the last week has been showing us what he can do when he really tries. By way of contrast to the torrid days that he dished up last week for our delectation, he has this last few days been giving us a sample of what he can do in the direction of the other extreme. For nearly a solid week we endured a temperature that would have tried the patience of a Hottentot, and now we get a dose of frigidity that would make the teeth of an Eskimo clatter like a pair of castanets. It has been so cold that a little fire heat has been absolutely necessary for the well-being of inside stock, but the suddenness of the change caught many of the growers unprepared. In one way it has been advantageous by giving a good opportunity to bring in their carnations, an opportunity which they have not been slow to seize. The stock is very good with most of the growers, Daybreak looking somewhat the worst, not by reason of lack of size or strength, but on account of the amount of rust that it is showing. It is a great pity that a sort so nearly indispensable should have developed such a very serious drawback.

Chrysanthemums are beginning to loom up very prominently now, and with some of the fraternity are beginning to swell and color up. Judging by present indications there will be nothing lacking either in quantity or quality this season. Whether there will be any money in it



save for those who are able to get them in very early is quite another matter. One of the best houses that the writer has seen is one grown by Mr. Miller, in charge of the Gordon greenhouses. It contains only two sorts, Kate Brown and a yellow one very closely resembling *Gloriosum*, but which Mr. Miller claims is not the same. For size and earliness this house promises to excel anything yet seen this season. Mr. Miller is authority for the statement that he will shortly relinquish his present position to go east, and possibly to Europe.

There is a notable lack of variety in the flowers that are available at present; not much of anything in fact is to be had save roses and carnations, the latter nearly all from outside. Dahlias do not seem to show up as yet to any great extent, and what do come are not as a rule anything extra as to quality. In roses H. A. Bunvard & Co. are sending in some very good stock, in which is included some *Meteors* that are fully up to the mark.

Business this week has been moderately good with most of the stores, though some complain of slowness. Nobody, however, reported anything much out of the ordinary in either direction. A.

#### St. Louis.

The prevailing temperature during the past week indicates the approach of the winter season. Firing has become a necessity. Trade, either as a result of the cooler weather or the return of the summer tourists is improving steadily; as far as can be seen at present the prospects are for a favorable season. Stock at many places is in fine condition. The supply of flowers has shortened up considerably. Beauties continue scarce. Prices have gone up a cent on roses; on other flowers the prices remain about the same.

Henry Aue is sending in a fine lot of carnations, the best in the market at present.

F. W. Ude, Jr. of Kirkwood is sending in some fine blooms of the new carnation *Peachblow*.

S. Mount & Co. have sold their business to Chas. G. Fleckenstein of Chamberlin Park. Mr. Fleckenstein will continue at the old stand, 1323 Pine street. Sam Mount is now with the Pacific Express Co., this city.

The St. Louis Fair opens October 7 for one week, and has offered premiums for plants, cut flowers, and designs to the extent of \$258. A large number of florists have expressed their willingness to enter for competition.

E. H. Michel, the manager of the chrysanthemum show, reports that the committee has now on hand twelve hundred subscriptions. The date of the show has been fixed for November 6, 7, 8, 9, and 10 in the small hall of the exposition building. The show this year will not be in the hands of the Florists' Club, but is managed by the following gentlemen: E. H. Michel, Emil Schray, F. C. Weber, and R. F. Tesson, of whom Mr. E. H. Michel has been made manager, he to receive 5% of all the premiums and the rest of the money to go to the exhibitors after the expenses are paid. The other gentlemen furnish their services gratis. All correspondence should be addressed to E. H. Michel, 1620 Olive street, St. Louis.

At the Bowling Club Monday night twelve members rolled; this ended the series of twelve games between the Japs and Chinese, the Japs' score being in 12 games 11,826 and the Chinese 10,560. E.

Schray was the champion bowler and C. Beyer was again the lucky man, winning the clover leaf medal for the second time. His highest score was 298, the next highest single game was rolled by Frank Fillmore, it being 228. The next series the teams will be changed; here are the scores of the last roll.

JAPS.				
	1	2	3	TOTAL
C. Beyer . . . . .	161	194	174	529
J. W. Kunz . . . . .	150	177	155	482
E. Schray . . . . .	137	185	153	475
F. Weber . . . . .	130	199	168	497
C. C. Sanders . . . . .	175	150	204	529
A. Waldbart . . . . .	134	151	120	411
Totals . . . . .	887	1006	974	2867
CHINESE.				
	1	2	3	TOTAL
J. J. Beneke . . . . .	167	171	178	516
J. Young . . . . .	114	113	172	399
C. A. Kuehn . . . . .	114	140	204	458
H. Young . . . . .	154	180	183	467
F. Fillmore . . . . .	113	187	228	478
D. Helwig . . . . .	150	133	131	414
Totals . . . . .	812	814	1097	2723

J. J. B.

#### Boston.

With the advent of cooler weather there is a notable improvement in the general quality of cut flower stock which is being received. Roses from all sources are much better than they were a week ago. From all indications Peter Ball will beat his record on American Beauties, for his plants are in most promising condition. Geo. Sutherland will handle this stock. Welch Bros. are receiving from S. J. Reuter, of Westerly, R. I., Bridesmaid, Meteor, Testout and Augusta Victoria in splendid condition. The two new-comers, Mrs. Pierpont Morgan and Belle Siebrecht, are coming in from various points, but do not yet show their full character or indicate what their final position in the cut flower market will be. Norton Bros. still remain loyal to their old favorite Bon Silene, and are cutting a quantity of this variety in quality which recalls the stock of twenty-five years ago.

Carnations were never so plentiful or so good before at this season of the year. The growing custom of early housing has something to do with this, without doubt. The finest carnation being received at present is Nicholson. For size, fragrance and richness of color Scott cannot equal it, and if it holds as well throughout the season it will make a formidable rival for this popular sort. Price of carnations rules low, 50 to 75 cents per hundred being top figure for average stock, and 75 cents to \$1.50 for fancy varieties of extra quality.

The meeting of the Gardeners' and Florists' Club on the evening of October 1 was a most interesting one, and Mr. Allen's address, of which we present an abstract in another column, brought out an abundance of earnest, entertaining, and witty discussion. Jackson Dawson derided the disinclination of the average young American to soil his hands with the rougher details of the gardener's work and expressed regret that so few opportunities are presented for a young man to get a practical and thorough education as a gardener in this country. As it is what he gets he must pick up unaided and if he gets ahead it is in spite of many drawbacks. He thought it discreditable that we are obliged to import our best talent. A. Dimmock being called upon told of the tendency to specialty growing in Europe which had developed within the past 25 years and claimed that this is the only way to attain business success in these days of close competition. Lawrence Cotter claimed that all our leading specialists with but few exceptions had started out as general or private gardeners and cited many men who had started

out without any education and had notwithstanding this obstacle become pre-eminent in every department of horticulture. The great thing in his opinion, was to get the machine to think as well as to work and told how, in the large private establishments on the other side, the young apprentices used to come together at night and discuss the weaknesses and mistakes of the boss during the day, which he claimed was an educator in itself. A facetious allusion to the educating effect on a young man carrying flowers to the city, nowadays, coming into contact with the sharks that they must deal with brought P. Welch and M. H. Norton to their feet in quick succession, who paid their compliments to Mr. Cotter, the growers and the private gardeners each in turn, and made lots of fun for everybody. W. H. Elliott asserted that floriculture is as good a business as there is open for a young man to go into to-day provided he takes kindly to it and makes use of the opportunities now available. He particularly endorsed Mr. Allen's suggestion of giving employes an interest in their employer's business and said that it was in operation on his place with most gratifying results. J. H. Morton spoke eloquently of the obligations which horticultural societies are under towards the younger gardeners and said that the benefit of the young men is the true key note for the florists' clubs to follow. Messrs. W. K. Harris, Jr., Finlayson, Sander, and others participated in the discussion on similar lines and Wm. Appleton of Providence also added a few words of approval. A unanimous vote of thanks was tendered Mr. Allen.

A pilgrimage to Waverly to inspect Wm. Edgar's chrysanthemums is the proper thing just now. Bergmann and Lacroix, the varieties on which Mr. Edgar makes his annual record, are in superb condition, with blooms larger and better than ever before. The first flowers were cut September 28. Ivory never looked better. Golden Queen has made a vigorous growth, but the appearance of the early buds excite apprehension, as they present a badly deformed and twisted look; the later buds appear somewhat better. Mr. Edgar says that he followed the advice of growers who had good success with this variety last year, retaining the first center bud that showed. He has adopted the use of chicken wire netting between the rows of mignonette in the same manner as followed by carnation growers. When the plants attain greater height horizontal wires with cross meshes of thread will ensure the straight stems which are so necessary in well grown mignonette. Many of the plants are already blooming and a big cut for the holidays is assured. Netting across the ventilator spaces prevents the ingress of butterflies which Mr. Edgar says, are among the worst enemies young mignonette can encounter. The new house is filled with carnations, nearly three thousand plants in all. One bench consists of Meteor and the plants are full of promise.

The decorative plants in the Public Garden beds are being rapidly housed. A point worth noting is the way *Pandanus Veitchii* has stood the season's exposure. They look as well as when set out. Crotons have done but indifferently and palms, most kinds, are complete wrecks. The old quarrel (for quarrel it is rather than a straightforward discussion of the comparative merits of different styles of gardening) still goes on in the daily papers between City Forester Doogue and his critics. Both sides are giving too much attention to personalities for any benefit



to result from the controversy. Why not meet each other half way and agree that some of the beds in the Public Garden are excellent and some are atrocious, and that neither the best nor the worst are limited to either school of gardening?

The auction sale of stands in the Cut Flower Market took place on Saturday, September 28. Premiums paid for choice of location ran all the way from \$2 to \$51, about \$900 being realized from this source, which is nearly \$200 in excess of last year's sale.

Thos. H. Meade has taken the flower store on Beacon street, formerly run by Doogue Bros. and more recently by Fred Hvatt.

The first violets of the season have appeared. They are the single Russian variety and in size and color good for the season. No double ones have yet come in.

Visiting Boston: Alfred Dimmock and A. Ingram, London, Eng., H. A. Siebrecht and J. Austin Shaw, New York, W. K. Harris, Jr., and John Barclay, Philadelphia and Karl Andrae, Germany.

#### Philadelphia.

There has been a delightful change in the weather and while no rain has fallen to speak of it is now much cooler; in fact in low places there has been some frost. From a temperature of 100° in the shade to frost in one week's time is an extreme that must come near establishing a new record. The stock now coming in seems to be greatly benefited by the change, the colors being brighter and the flowers much firmer. There is little or no difference in prices from last week.

The palm men are busy and report sales as being very satisfactory, certain sizes of popular palms are running low even at this early date, which is a healthy sign, as the stocks all seemed larger this season than ever. Business in the stores is picking up, there are to be quite a few important weddings in the next few weeks that will use considerable choice stock. There are many inquiries for chrysanthemums, and the coming of this favorite flower will be eagerly watched.

There was an unusually large attendance of members at the meeting of the Florists' Club last Tuesday evening. The election of officers to serve for the ensuing year took place and resulted as follows: President, Robert Kift; vice-president, David Rust; treasurer, Thos. Cartledge; secretary, D. D. L. Farson. Speeches were then called for and each of the officers-elect responded with a few appropriate remarks, expressing their thanks for the honor conferred and promising to do all they could to further the interests of the club. Arrangements were made for holding the annual supper at the time of the chrysanthemum show, and President Lonsdale appointed the newly elected officers of the club a committee to attend to the details.

Mr. Craig was now called on and gave a very interesting account of his European trip. He spoke of the improved street paving that was universal in all the large cities he visited; he also admired greatly the magnificent tree lined boulevards and wide avenues. He said the oriental plane and Carolina poplar seemed to do the best and were the most popular street trees, both in Paris and London. He was surprised beyond measure at the extent of the places seen, particularly around London; it seemed when on the train going to Mr. Rockford's as if there were miles of glass, the places in that neighborhood were so numerous and extensive. The collection of plants at Mr. Rockford's was superb, their condition being simply

perfection. There were five acres of kentias alone. The business had reached a development there that would not be seen in this country for sometime to come. Plants are grown in quantities that we know nothing about here. A great deal of the immense stock was sold by auction in the cities and larger towns throughout England, the smaller florists preferring to buy their palm stock in this way rather than grow it themselves. The ferns and dracaenas, particularly the latter plants, were a revelation; he had never seen such culture before. At Mr. H. B. May's place at Edmonton, near London, he attended an auction sale. There were about 150 dealers or florists present, and the bidding was spirited. Mr. May selected only his best stock and realized very good prices. These sales are held by him every spring and fall and an immense lot of stock is moved in this way. At Thos. Ware & Sons' he had seen 200,000 tuberous rooted begonias planted outside and the cheapest were worth \$30 per thousand, which would give some idea as to the value of the crop.

Ghent was a wonderful horticultural center. The cultivation of plants was started there by Louis Van Houtte some 35 years ago and had grown until there were nearly 400 different places with from ten houses up to some with acres of glass. The growing of azaleas, he said, was a wonderful industry, hundreds of acres being devoted to their culture, and all in prepared soil. He thought that if the same care was taken as to soil here and they were as faithfully watered, that is thoroughly soaked twice a day, they could be grown just as successfully here. He thought the industry would thrive in Jersey, as the soil in many places was just what was wanted.

At Mr. Bause's establishment near London there was the most perfect cultivation of plants he had ever seen. Mr. Bause's plan was to select from the seed pan the strongest seedlings and set them apart from which to grow his specimens. He made a specialty of cocos, and when they had attained the desired size they were splendid examples of perfect culture. He would not sell any of this special size before they had attained their full growth. This plan he thought could be followed by florists here with profit, and they would also produce perfect plants that would add to their reputation.

Mr. Kift also spoke at some length, referring to the plant and fruit markets of London and Paris, and to the immense quantities of plants and flowers sold through these mediums. K.

#### Chicago.

Owing to the rain last Saturday the Drainage Canal Excursion was postponed to next Sunday, October 6. Train will leave Dearborn Station, foot of Dearborn street, at 2 p. m. Members are requested to meet at the depot at 1:30 p. m. Special cars will be provided and all prior arrangements have been renewed. One of the Drainage Canal engineers will accompany the party and explain points of interest about the "Big Ditch" and the powerful machinery in use. Fare for the round trip is 75 cents. Train will reach the city on return trip at 6 p. m.

The Chicago committee of the Chrysanthemum Society of America will pass upon the first batch of seedlings submitted to them next Saturday, October 12, at 185 Dearborn street, Room 202. After 11:30 a. m. any of the local florists may inspect the flowers on exhibition. The sessions of the committee to consider new varieties submitted will continue

every Saturday up to and including November 23.

Business this week shows a very distinct improvement in all lines. City trade is looking up, and the out of town demand is very brisk, making excellent shipping sales. Roses are still small, but they are excellent in color, and the foliage is very clean; they improve daily, and will soon be of first-class quality. Prices are stiffening; selected stock goes for \$4, good ordinary \$2 to \$3. Meteor is held at \$4, and has the preference over Wootton. Mrs. Pierpont Morgan comes in limited quantity, and is held at \$3 to \$4, but it is impossible at present to say what position it will hold in the market. Belle Siebrecht is not yet in the market; the few flowers being cut are of poor quality as yet, so it is deemed unwise to push their sale until the quality will make an impression on buyers. Beauties range from 50 cents to \$2.50 a dozen. Bassett & Washburn are practicing the system of grading this variety systematically according to length of stem, on the plan that obtains in the New York market, five grades being given.

Carnations are generally very good, prices ranging from 50 cents to \$1 a hundred, the latter price ruling on all good white stock. Violets are not seen yet. Valley is extremely scarce, there being practically none at time of writing; it is held at \$4.

The first chrysanthemums of the season made their appearance September 27, but the stock is still very limited. Yellow Queen was the variety and W. N. Rudd the grower. They are fine large blooms and are held at \$4 a dozen. Last year Mrs. E. G. Hill was the first variety in the market, but it is later this year. There are no whites so far, and no signs of the Mississippi blooms that appeared so early last season.

Mr. T. J. Corbrey has taken in a partner, Mr. J. T. Glover, and the firm will hereafter be styled T. J. Corbrey & Co. Mr. Glover is not a florist, but a man of business experience and ability who will doubtless prove an acquisition to the trade.

#### Springfield, Mass.

A season of dry weather causing the fall flowers to ripen earlier than usual is responsible for Springfield having no flower show this fall. Every available hall in the city was engaged for the various sections of the American Association for the Advancement of Science, in convention when the Amateur Society wanted to have their exhibit.

An official notice was sent out by the secretary of the Hampden County Horticultural Society that their September show would be given up, also requesting any one who had made preparations for this exhibit to notify the committee, who would view the same.

The Agricultural Fair offered inducements for flowers, and as they had the only show in this section quite a creditable display was made, although not half what they had a year ago, when the horticultural Societies united with them. There was a fine exhibition of the sweet pea. Mrs. W. J. Eldred of West Springfield took the first prize, and Edgar C. Clark of Wilbraham took second. Mrs. Eldred was also awarded the first prize for pansies and tuberous begonias. W. F. Gale of Springfield was declared to have the finest hand bouquet, also the best floral design, which was a wreath of the palest of double pink hollyhocks and ferns. He was also given first prize for a

basket of cut flowers and second prize for the exhibition of pansies. J. W. Adams of Brightwood was given first prizes for exhibits of dahlias and gladiolus. The general display of fruit and vegetables was very fine, especially the grapes, pears and apples. A horticultural hall on Main street is one thing that Springfield needs, and it is being earnestly discussed among the horticultural societies.

Mr. Hark Aitken of Aitken & Son is out of town for a few days.

Mr. Cornish, for several years with N. J. Herrick, has severed his connection with that firm for the time being.

B. M.

Milwaukee.

The flower trade has been really good the last week; the very warm weather spoilt some flowers but not so many as the week previous. The supply has increased considerably, but there is a very small surplus. There is too large a proportion of Bridesmaids, many of which are quite small; a number of these small buds and deformed Brides have to be thrown away. Growers have not yet learned the value of sorting stock. Carnation supply has increased in quantity and quality; there is plenty now to supply demand but no surplus. The Exchange has on exhibit a pink variety obtained by Mr. John Dunlop; it is a beauty, in color a light pink exactly as compared with color chart of AMERICAN FLORIST. It is a sport which promises well. Lily of the valley has made its appearance. Lilies are scarce now.

There has been an unusually marked interest taken in our South Park on account of a very pretty pond which is just developing its beauty. The people noticeably proud of it. We are pleased to note that frequent inquiry is made as to who arranged it and Mr. Pettigrew's name is becoming quite familiar. We are more than pleased to note that his skill is being appreciated so early, for he has really only begun. The work entrusted to him is very large and all new.

Recent visitors: Mr. and Mrs. Soper of Rockford, Ill.; Mr. Schonemann of Oconomowoc, Mrs. Senff of Menominee, Mich.; Mr. Louis Drehr, of Morton Grove, Ill.

Z.

Springfield, Ill.

The floricultural department of the Illinois State Fair was more extensive this year than ever before, extra inducements in the way of premiums being offered, and the display was larger than in previous years. J. C. Vaughan, Chicago, was an extensive exhibitor; he received first premiums for twelve, two and one specimen palm, for twelve ferns, and ten cannas, and a silver medal for collection of bulbs, also second premiums in several classes.

Louis Unverzagt, Springfield, was first for collection of stove and greenhouse plants, and for six palms. In ferns he received first in five different classes. Mr. Unverzagt was also first for collection of carnation blooms, collection of gladiolus and tuberoses; for basket of cut flowers, dinner table arrangement, and display of floral work. Mr. Unverzagt was also the recipient of several second prizes.

Brown & Canfield, Springfield, were first for specimen Adiantum cuneatum, for twenty-five cannas, collection of crotons and collection begonias. In cut flowers they were first for Meteor and Perle roses, basket of roses, and bouquet of various flowers.

H. P. Buckley, Springfield, received first for collection of geraniums and collection

of carnations; first for hanging baskets, for Beauty, Kaiserin, Bride and any other variety of rose; first for collection of roses and bouquet of roses.

W. H. Hizer of Rockford was first for Bridesmaid roses, collection of cut flowers, collection of asters, collection of annual phloxes, and geraniums. James Hartshorn of Argyle Park, and W. A. Burdick were also winners in several classes. There was quite an extensive exhibit from amateurs.

S.

Baltimore.

The last club meeting was well attended, and questions that came up were vigorously discussed, notably a recommendation by the show committee that sale booths be limited to four in number and be auctioned off at an upset price of fifty dollars each. A list of about fifty passive members who have recently joined the club was read, and several special premiums, mostly for plants, were received, among which was an offer by Mr. Evans of a Challenge ventilating apparatus.

Mr. Burger had thoughtfully provided pipes and tobacco and after the business was over and the pipes all filled and smoking away he entertained the club for half an hour with a chatty description of what he saw during the tour from which he has recently returned. His admiration of the bedding at Hyde Park, London, was great, in fact the English gardens all made a better impression than those on the Continent. A number of humorous accounts of personal happenings enlivened the story, and all present were greatly pleased with the evening's entertainment.

MACK.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plots advs not admitted under this head.

**SITUATION WANTED**—In large store by a young man as cut flower artist.  
H C D, care American Florist.

**SITUATION WANTED**—By first class florist and rose grower. German; single. Address  
C D A, care American Florist, Chicago.

**SITUATION WANTED**—As florist by young, sober man 3½ years' experience; best of reference. Not afraid to work.  
JOHN POAGUE JR., Eatoo, O.

**SITUATION WANTED**—By gardener and coachman. Speaks perfect English and German. Single man.  
C. SCHULZE, 111 President St., Brooklyn, N. Y.

**SITUATION WANTED**—By a young man skilled in the growing of roses, carnations and general stock; sober and reliable; good references. Address  
RELIABLE, care American Florist.

**SITUATION WANTED**—By a competent all round florist and gardener. Life experience; English; married man; abstainer. Best reference. Address  
W. BAILY, 123 Scoville Lane, Cleveland, O.

**SITUATION WANTED**—As foreman or manager by a successful rose grower and general plantsman; 20 years' experience, married, sober and reliable; good references. Address  
GROWER, care Am. Florist.

**SITUATION WANTED**—By a practical grower of roses, carnations, decorative plants, and forcing of bulbs, to take charge. References O K. When applying give particulars. Address  
FLORIST, 161 Chestnut Street, St. Louis, Mo.

**SITUATION WANTED**—By German florist, 14 years' experience in roses, carnations, violets, mums, palms and general stock; good design and cut flower worker; strictly sober and honest; commercial or private place.  
A B, care American Florist.

**SITUATION WANTED**—As managing or working florist, on private or commercial place. Understands growing all kinds of bedding stuff and cut flowers; also design work. References. Address  
C B, care W. F. Will, 312 Linden St., Scranton, Pa.

**SITUATION WANTED**—As foreman or manager; practical in all branches, roses, carnations, mums, orchids, etc.; 18 years' experience; abstainer; single. Good wages expected. Private or commercial.  
FLORIST, care Pitcher & Manda Short Hills, N. J.

**SITUATION WANTED**—By a middle aged florist and gardener, married, no children; thoroughly experienced in every branch of horticulture, especially greenhouses; good private place preferred; best references from prominent employers.  
B 72, South Haven, Mich.

**SITUATION WANTED**—As gardener and florist; 14 years thorough practical experience in growing orchids, roses, chrysanthemums, carnations, violets, and all kinds of choice flowering and ornamental plants. Expert florist and decorator. First-class grower of both house grapes, and experienced in forcing vegetables, strawberries, mushrooms, etc.; also fruit and vegetable growing, and fully competent to take charge of private place, no matter how extensive. English; 6 years in this country; single, (coming 39); total abstainer. Leaving through place being closed up. Excellent references from present and previous employers who will gladly answer any questions. Address  
EDWARD FERRIS, Box 370, Red Bank, N. J.

**WANTED**—Agents to sell Child's Rainmaker nozzle. M. M. JONES, Gen'l Agent, 6123 Oglesby Ave., Chicago.

**WANTED**—Rose grower; must be first-class. State wages expected and references.  
R R, care American Florist.

**WANTED**—To exchange Mexican cactus plants for roses or carnations, of any variety. Address  
ISA A. BARNES, El Paso, Texas.

**WANTED**—Experienced makers-up and decorators. Steady position and good wages.  
J. FLEISCHMANN, Hoffman House, New York.

**WANTED**—Night fireman on a large commercial place near Chicago. Must thoroughly understand handling steam boilers. J W, care Am Florist.

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**WANTED**—Two young men who understand packing and shipping of plants. Also two young men who have knowledge of plant order department for commercial place in the west.  
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**FOR RENT**—Eleven greenhouses. This will be a chance for a young man to take a hold of business. He can make a start with a small capital. This place will bring from \$4.00 to \$5.00 a year clear. There is already one man in the business and he wants a partner. This is an old established place. I have resigned on account of my health. Address  
HENRY MOORE, 422 Main St., Memphis, Tenn.

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CRESTON LOAN AND TRUST COMPANY, Creston, Ia.

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land, O.; E. H. Hunt, 79 Lake St., Chicago; Wisconsin

Flower Exchange, 61 Mason St., Milwaukee, Wis.;

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34th St., New York; Geo. A. Sunderland, 67 Brom-

field St., Boston; Welch Bros., No. 1A Beacon St., Bos-

ton; N. F. McCarthy &amp; Co., 1 Music Hall Place, Boston;

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O.; Walter A. Potter &amp; Co., Providence, R. I. L.J.;

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**FIRM** is ready and anxious to do business.

**GROWERS**, we guarantee **Strict Honesty; Rigid**  
**Impartiality** and prompt rendering of accounts.

**SHIPPERS**, we will fill your orders on time, and as  
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**ORDERS** for anything in the **Florist's Line** solicited.  
If we have not got it, **we will get it.**

Do you want advice we will furnish it.

Do you want information, we will send it.

## We Want Business,

And are determined to secure it by the steady application of  
prompt, true business principles.

**CONSIGNORS** make us a shipment and compare returns.  
**SHIPPERS** give us an order and you will be gratified  
with the result.

**LOCAL DEALERS** kindly bear us in mind.

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## Special Low Price on

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For a limited time only, we will offer fine plants from  
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15 CENTS PER STRING.  
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No Special Position Guaranteed.

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No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to se-  
cure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

## Coming Exhibitions.

NEWPORT, R. I., Oct. 30-Nov. 1. Chrysanthemum  
show Newport Hort. Society. Alex. MacLellan, Sec'y, Ruggles Ave.

MILWAUKEE, WIS., Nov. 5-7. Chrysanthemum  
show. C. B. Whitall, Sec'y, box 87.

OSHKOSH, WIS., Nov. 5-7. Chrysanthemum show  
Oshkosh Florists' Club. Mrs. G. M. Steele, Sec'y.

BOSTON, Nov. 5-8. Chrysanthemum show Mass.  
Hort. Society. Robt. Manning, Sec'y, Horti-  
cultural Hall, Tremont St.

CHICAGO, Nov. 5-9. Chrysanthemum show Horti-  
cultural Society of Chicago. W. N. Rudd,  
Asst Sec'y, room 202, 185 Dearborn St.

INDIANAPOLIS, IND., Nov. 5-9. Chrysanthemum  
show Society of Indiana Florists. R. A. Mc-  
Keand, Sec'y, Garfield Park, Indianapolis.

PHILADELPHIA, PA., Nov. 5-9. Chrysanthemum  
show Penna. Hort. Society. D. D. L. Farson,  
Sec'y, 1414 So. Penn Square, Phila.

HOBOKEN, N. J., Nov. 6-8. Fall show North Hud-  
son Florists' Club. Fred'k Lehning, Sec'y,  
Hackensack, N. J.

PROVIDENCE, Nov. 6-8. Chrysanthemum show  
Rhode Island Hort. Society. C. W. Smith,  
Sec'y, 61 Westminster St.

FREDERICK, MD., Nov. 6-8. Chrysanthemum show  
Frederick County Floricultural Society. C. E.  
Kemp, Sec'y.

POUGHKEEPSIE, N. Y., Nov. 6-8. Chrysanthemum  
show Dutchess County Hort. Society. W. G.  
Gomersall, Sec'y.

DENVER, Nov. 6-9. Chrysanthemum show Denver  
Florists' Society. Adam Kohankie, Sec'y, P.  
O. box 375, South Denver, Colo.

ST. LOUIS, Nov. 6-10. Chrysanthemum show St.  
Louis florists. E. H. Michel, manager, Mag-  
nolia and Tower Grove Aves.

WORCESTER, MASS., Nov. 7. Chrysanthemum  
show Worcester County Hort. Society. Edw.  
W. Lincoln, Sec'y, 18 Front St.

NEW ORLEANS, Nov. 7-10. Chrysanthemum show  
New Orleans Hort. Society. Paul Abele, Sec'y,  
Cor. Joseph and Laurel Sts.

SPRINGFIELD, MASS., Nov. 12-14. Chrysanthemum  
show Hampden County Hort. Society. W. F.  
Gale, Sec'y.

DAVENPORT, IOWA, Nov. 12-15. Chrysanthemum  
show Tri-City Florists' Club. A. W. Van der  
Vest, Sec'y, room 35, Masonic Temple.

ATLANTA, GA., Nov. 12-15. Chrysanthemum show  
at Atlanta Exposition. Geo. M. Bradt, chair-  
man, Kenyon Building, Louisville, Ky., till  
Nov. 1; after that date, Y. M. C. A. Building,  
Atlanta, Ga.

DAYTON, O., Nov. 12-15. Chrysanthemum show  
Montgomery County Hort. Society. F. W.  
Ritter, Jr., Sec'y.

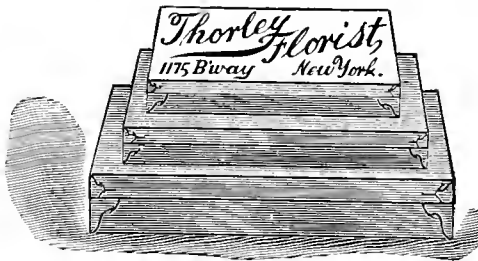
EVANSVILLE, IND., Nov. 12-16. Chrysanthemum  
show Evansville Florists' Club. J. A. Hows-  
ley, Sec'y.

HOUSTON, TEXAS, Nov. 14-15. Chrysanthemum  
show Houston Chrysanthemum Club. Mrs. A.  
H. Mohl, Sec'y.

GRAND RAPIDS, MICH., Nov. 14-16. Chrysanthemum  
show Grand Rapids Florists' Club. Geo.  
F. Crabbe, Sec'y.

TORONTO, Nov. 19-22. Chrysanthemum show To-  
ronto Gardeners and Florists' Association.  
Edwin H. Carter, Sec'y, 280 Gerrard St. E.

WE HAVE RECEIVED from the Pennsyl-  
vania Hort. Society a neatly printed  
pamphlet giving a brief history of the  
society from its organization, November  
24, 1827, to July 18, 1895. This was  
prepared to deposit in the corner stone of  
the new Horticultural Hall. From this  
document we learn that the first exhibi-  
tion of the society was held November 3,  
1828, in the hall of the American Philo-  
sophical Society, Sixth street below  
Chestnut. There is included in the pam-  
phlet a description of the handsome new  
building now being erected.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

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**Hardy Cut Ferns,**  
BOUQUET GREEN,Laurel and Green Festooning, Wreaths, Etc.  
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**DUST.** 50 lbs \$1.50; 100 lbs \$2.50.  
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the market. They are made from  
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**WHOLESALE CUT FLOWERS,**  
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 Our Roses best them all, in quality.  
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**ROGERS PARK FLORAL CO.,**  
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We are prepared to fill your orders with first-class  
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 Consignments solicited. Prompt attention to all orders.

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Cut Flowers		NEW YORK	
Roses, general list	per doz.	1.00@	5.00
" Beauty extra	per doz.	5.00@	21.00
" ordinary	per doz.	1.00@	5.00
Carnations, ordinary	per doz.	25@	.50
" extra	per doz.	50@	1.00
Valley	per doz.	2.00@	4.00
Asters	per doz.	25@	.50
Gladiolus	per doz.	50@	1.00
Tuberosea, stalks	per doz.	2.00	
Hydrangeas	per doz.	1.00	
Cosmos	per doz.	25@	.50
Smilax	per doz.	8.00@	10.00
Adiantum	per doz.	75@	1.00
Asparagus	per doz.	50.00	
Roses, surplus stock	per 1000	5.00	
BOSTON, Oct. 2.			
Roses, general list	per doz.	1.00@	4.00
" Beauty	per doz.	10.00@	15.00
Carnations	per doz.	25@	.50
" extra	per doz.	75@	1.50
Asters	per doz.	25@	.50
Valley	per doz.	2.00@	4.00
Lilies, white Japan	per doz.	3.00	
Gladiolus	per doz.	1.00@	2.00
Cosmos	per doz.	25@	.50
Adiantum	per doz.	75@	1.00
Smilax	per doz.	10.00@	12.00
Asparagus	per doz.	50.00	
PHILADELPHIA, Oct. 2.			
Roses, Beauties	per doz.	12.00@	15.00
" teas, large varieties	per doz.	3.00	
" second division	per doz.	2.00	
Carnations	per doz.	75@	2.00
Valley	per doz.	3.00	
Adiantum	per doz.	1.00	
Smilax	per doz.	15.00@	20.00
Asparagus	per doz.	50.00	
CHICAGO, Oct. 4.			
Roses, Beauties long	per doz.	15.00@	20.00
" short medium	per doz.	4.00@	8.00
" large teas	per doz.	2.00@	3.00
" select	per doz.	4.00	
Carnations	per doz.	75@	1.00
Tuberosea	per doz.	2.00@	4.00
Valley	per doz.	4.00	
Smilax	per doz.	12.50	
Chrysanthemums Yellow Queen, per doz.	per doz.	4.00	

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 Successor to PECK & SUTHERLAND,  
 Successors to WM. J. STEWART,  
**Cut Flowers and Florists' Supplies**  
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**FLORISTS**  
 JOEBERS IN  
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 GONTIERS,  
 CARNATIONS,  
 ALWAYS ON HAND.

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 HORTICULTURAL AUCTIONEERS.  
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**Wholesale Florists,**  
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 Near Tremont St. BOSTON, MASS.  
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 ship Trade orders for Cut Flowers at  
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 Address **GEORGE CARTWRIGHT, Mgr.,**  
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**SPECIAL EXTRA STOCK OF**  
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Roses Shipped to all points. Price list on application.

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Careful Shipping to all parts of the country.  
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 53 West 30th St., NEW YORK CITY.



Our Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.  
S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, III Cham-  
bers St., New York, Sec'y and Treas.

NEW YORK.—Mr. Archie Smith (of  
Breck's, Boston) and family arrived from  
Scotland on steamer Anchoria, Sept. 30.

Catalogues Received.

P. J. Berckmans, Augusta, Ga., fruit  
and ornamental trees, roses, etc.; Leva-  
vasseur & Sons, Ussy, Calvados, France,  
nursery stock and novelties; J. A. Sim-  
mers, Toronto, Ont., bulbs; J. L. Dillon,  
Bloomsburg, Pa., carnation plants; Din-  
gee & Conard Co., West Grove, Pa., bulbs  
and plants; Weber & Don, New York  
City, tall bulbs, roots and seeds; Schlegel  
& Fottler, Boston, Mass., bulbs; Peter  
Henderson & Co., New York City, bulbs,  
plants and seeds; D. B. Long, Buffalo, N.  
Y., carnation stock; Wm. Rennie, Toronto,  
Ont., bulbs and plants; F. W. Kekey,  
New York, trees, shrubs, bulbs and plants;  
Pitcher & Manda, Short Hills, N. J.,  
plants, seeds and bulbs; Chas. D. Ball,  
Holmesburg, Philadelphia, Pa., decora-  
tive plants; Giffith, Turner & Co., Ba-  
timore, Md., bulbs and seeds; W. J. Hesser,  
Plattsburgh, Neb., decorative plants; J.  
A. Simmers, Toronto, Ont., bulbs.

Worcester, Mass.

The Music Festival brightened up trade  
considerably last week; a great many  
baskets and bunches were ordered. This  
event generally marks the change from  
summer dullness to winter activity, and  
from now on trade should be brisk and  
lively, and there is every indication that  
such will be the case. We have had no  
killing frost as yet, and the supply of flow-  
ers still keeps on equal terms with the de-  
mand. Carnations in the houses are in  
splendid condition, and are just commencing  
to throw a few blooms. Scott and  
Daybreak are looking especially fine.  
Small palms and ferns are selling well;  
Nephrolepis exaltata is leading in the  
number of sales.

Joseph Brierly, a well known horticult-  
urist, died Wednesday, Sept. 25, after a  
long illness. He was seventy years of  
age, and an old member of the Worcester  
County Horticultural Society, where he  
was a prominent exhibitor. A. H. L.

Grand Rapids, Mich.

The horticultural display at the state  
fair held here was the finest ever given,  
showing a marked improvement over  
previous years. Mr. C. B. Bowditch  
acted as superintendent with satisfaction  
to all concerned. The exhibitors were  
Crabb & Hunter, Grand Rapids Floral  
Co., James Shultz and Bailey & Lewis, the  
firm first named making the largest dis-  
play. The judges were J. M'Kee, Bangor,  
Guy Stuart, Lansing, and C. B. Bow-  
ditch. After the awards were made Mr.  
Geo. Crabb gave a pleasant entertain-  
ment to the judges, superintendent and  
exhibitors.

Among the visitors were Mr. and Mrs.  
Sullivan, Detroit; J. M'Kee, Bangor; C.  
Dew, Albion; Prof. Taft and G. Stuart of  
the Agricultural College, Lansing, Mc.

CANTON, MASS.—Robert Hutcheon has  
leased the premises formerly occupied by  
Taos Lyons. He will grow carnations  
principally.



BULB SPECIALS.

We offer this week on the following:

- TULIPS, named, 10 kinds, average, per 1000, \$7 50.
- CHINESE NARCISSUS, October 10th,  
per 1000 in N. Y., \$42.50; in Chicago, \$45.00.
- HYACINTHS, named and mixed. 50,000 select bulbs.
- ROMAN HYACINTHS, white, 11 to 12 cm.  
at \$17.00 per 1000.
- L. HARRISII, all sizes, bottom prices.
- NARCISSUS, Von Sion, fine, at \$14.00 per 1000.
- L. LONGIFLORUM, Japanese grown, ready.
- TIN FOIL, WAX PAPER, etc., at special prices.

Write for 'TRADE LIST'. Just out.

NEW YORK: 26 Barclay St. **VAUGHAN'S SEED STORE**, CHICAGO: 84-86 Randolph St.

**GIANT FLOWERED CYCLAMEN.** The most profitable of all pot plants for retail florists. We offer some magnificent specimen plants at \$2.00 to \$5.00 per dozen; \$15.00 to \$45.00 per 100. At Christmas they sell readily at 75 cts. to \$3.00 each.

**BEGONIA REX.** Extra large, strong plants in best varieties, \$5.00 per 100.

**HYDRANGEA OTAKSA.** Fine plants from 4-inch pots, \$6.00 per 100.

**CARNATIONS.** Large, field grown plants, McGOWAN, DAYBREAK, SILVER SPRAY, \$6.00 per 100.

C. YOUNG & SONS' CO., 1406 Olive St., ST. LOUIS, MO.

PRIMROSES

CHINESE PRIMROSES.

We have them by the thousand. We grow our own seed. Can guarantee an equal share of good salable colors. Ready for delivery in 2 3/4-inch pots.

PRICE, \$5 PER 100, or \$40 PER 1000.

Bear in mind that we have also a fine lot of well fruited Otaheite Orange trees for Christmas delivery. Can be sent out with green fruit at present if desired.

CASH WITH ORDER.

**CHAS. ZELLER'S SONS,**  
FLATBUSH, L. I., N. Y.

Mention American Florist.

BRILLIANT GREEN AND BRONZE  
GALAX LEAVES

FOR DECORATING AND FLORISTS' USE.  
LARGE AND SMALL SIZES.

Several heavy frosts are necessary before it is possible to get the Bronze Leaves, but the GREEN Leaves are now in prime condition.

WHOLESALE FLORISTS GENERALLY, write for sample and price to

**CHAS. H. RICKSECKER,**  
LINVILLE, Mitchell Co., N. C.

**Pitcher & Manda, Inc.**

LOW PRICES.

**PALMS, FERNS and ORCHIDS**

Specialties.

SHORT HILLS. NEW JERSEY.

Mention American Florist.

Roman Hyacinths and Lilies.

FIRST COMES, FIRST SERVED.

	Per 100	Per 1000
L. HARRISII, 5-7 inch	\$2.50	\$22.00
7-9 inch	5.00	44.00
L. LONGIFLORUM, guaranteed true stock, 5-7 inch	2.75	26.00
7-9 inch	5.50	54.00
WHITE ROMAN HYACINTHS, 11-12 centimeters		16.50
12-13		19.00
TOTUS ALBUS GRANDIFLORUM		7.00

Quantities limited. Net cash with order.  
DUTCH HYACINTHS, TULIPS, Etc., on hand in any quantity to suit.

HULSEBOSCH BROS., Englewood, N. J.

**TO BE SOLD AT ONCE**

**5000 SELAGINELLA EMILIANA,**

2-inch pots, ready for use or shift. Best plant for fern dishes, \$3 per 100; \$25 per 1000.

**SIEBRECHT & WADLEY,**

Mention Am. Florist. New Rochelle, N. Y.

AZALEAS, Sander, Bruges, Belgium.  
PALMS, " " "  
ARAUCARIAS, " " "  
BAYS, " " "

Agent: A. DIMMOCK,  
106 & 108 Liberty Street, NEW YORK.  
SEND FOR SPECIAL OFFER.

Flowering Shrubs.

An immense stock of the **FINEST VARIETIES** of all sizes. A full line of Shrubs adapted to winter forcing.

Correspondence solicited.

New Trade List just out. Send for one.

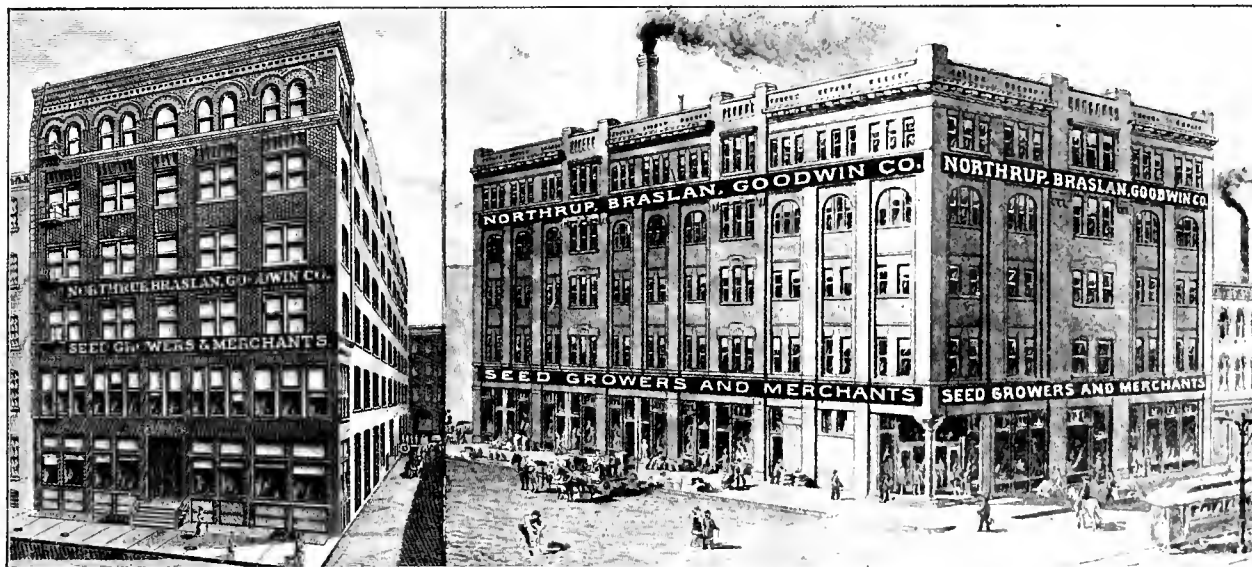
**THE WM. H. MOON CO.**  
Morrisville, Pa.

EARLIEST LARGE FLOWERING  
CHRYSANTHEMUM

MARQUIS DE MONTMORT,

Much in the way of Viviani-Moral. Ready to cut Sept. 29th, 1895. Stock plants 50 cts. each; \$5 per dozen. Cash with all orders.

**DAILLEDOUZE BROS., Flatbush, N. Y.**  
Mention American Florist.



Chicago  
WAREHOUSE.

## NORTHROP, BRASLAN, GOODWIN CO.

Minneapolis  
WAREHOUSE.

Being **GROWERS** we are in a position to supply **Seeds of first-class quality** and to make **specially low prices**.

A trial will convince those who have not yet found this out.

## NORTHROP, BRASLAN, GOODWIN CO.,

20 TO 28  
HENNEPIN AVENUE, Minneapolis, Minn.

55, 57 & 59  
NO. JEFFERSON STREET, CHICAGO.



**TRY DREER'S  
GARDEN SEEDS,**  
Plants, Bulbs & Requisites.  
They are the best at the  
lowest prices. Trade List is-  
sued quarterly, mailed free  
to the trade only.

**HENRY A. DREER,**  
Philadelphia, Pa.

**IF YOU** are refined and discriminating  
in your tastes you love flowers.  
If you do purchase the Queen in point of beauty  
and the King in fragrance. Its name is Grandi-  
flora Cape Jasmine. Prices are nominal. Healthy,  
well rooted cuttings by express from Alvin, Tex.,  
at following low prices: Two for 25 cts.; 12 for  
\$1.00; 100 for \$5.00; 1000 for \$50.00. The quantity is  
limited. Orders booked now for October delivery.  
Terms cash.

**C. H. JONES,**  
819 Market St., Galveston, Texas.



**H. H. BERGER & CO.**

(Established 1878) SAN FRANCISCO, CAL.

**NEW PRICE LIST.** Send for it.

Headquarters for  
**FREESIA REFRACTA ALBA,**  
**LIL. LONGIFLORUM,**  
**AURATUMS,** and all other Japan Lilies.  
**ESPECIALLY LOW PRICES FOR EARLY ORDERS.**

**W. A. MANDA,**

MERCHANT, GROWER, IMPORTER & EXPORTER OF

**FLORISTS'**

**Plants, Seeds and Bulbs.**

**NOVELTIES A SPECIALTY.**

The Universal  
Horticultural Establishment, **SOUTH ORANGE, N. J.**

**LILIUM HARRISII.**

Original and largest growers of this important bulb.

**OUR SPECIALTY.**

True Stock. Lowest Prices. Best Quality.

**F. R. PIERSON CO.,**  
**TARRYTOWN-ON-HUDSON, NEW YORK.**

## CLAY'S FERTILIZER

A Highly Concentrated Plant Food.

Used by the leading growers all over the world. Un-  
surpassed for **Roses, Chrysanthemums,** and all  
horticultural purposes. Genuine only in sealed bags  
with makers trade mark. For sale in the U. S. by the  
undersigned in 112 lb. bags at \$6 per bag f. o. b. Phila.  
12 lb. sample \$1. **G. C. WATSON,** 43 N. 10th St., Phila.

## October Offer.

	Per 100	Per 1000
Primroses, 2½-inch pots.....	\$2.00	\$18.00
" 2 inch pots.....	1.75	17.00
Pansies, 7 best strains.....	.50	4.00

**CASH WITH ORDER.**

**JOS. H. CUNNINGHAM,** Delaware, O.

**WE ARE HEADQUARTERS ON  
BULBS FOR FORCING,  
FLOWER SEEDS FOR FLORISTS  
ENGLISH MUSHROOM SPAWN.**

Special prices on application.

**JOHN GARDINER & CO.,** Seedsmen,  
631 Market St., Philadelphia, Pa.

**M. KEPPLER,**

Dealer in **J. M. THORBURN & CO.'S**

**HIGH CLASS SEEDS AND BULBS.**

Florists and Gardeners trade a Specialty.  
25 years' experience. 7 sorts Cyclamen Seeds. The  
best strain in the world. Send for prices.

**METROPOLITAN P. O.** East Williamsburg, L. I., N. Y.

**TELEGRAPH CODE**

OF THE

**AM. SEED TRADE ASSOCIATION**

**\$2.00,**

In either stiff or flexible cover.

ADDRESS ORDERS TO

**AMERICAN FLORIST CO.,**  
P. O. Drawer 164, CHICAGO.

## FIELD GROWN PLANTS.

**DRACÆNA INDIVISA AND LINEATA.**  
\$8.00 per 100, and \$75.00 per 1000.

**HYDRANGEA OTAKSA,** \$12.00 per 100.

**CASH WITH ORDER.**

**P. B. MEISSNER,** Flatbush, L. I., N. Y.

## LATANIAS.

Compact, in fine condition.

12-inch pots, 12 to 14 leaves, \$6.00 each

10-inch pots, 9 to 11 leaves, \$4.00 each

**SWAINSONA** in bloom, 6-in. pots, \$3 a doz.

**JOHN WELSH YOUNG,** Germantown, Pa.

## BULBS

**FOR FALL DELIVERY.**

For Catalogues address

**C. H. JOOSTEN,** Importer,  
36 Dey Street, NEW YORK.

## WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus

AND

**LILIUM HARRISII.**

Special low prices on application.

**WEEBER & DON,**

Seed Merchants and Growers,  
114 Chambers St., NEW YORK CITY.

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

**A. WASHBURN & SON,  
BLOOMINGTON, ILL.**

**FINE ROSES,**

Mermets, Bridesmaids, Brides, Papa Gontiers, La France, from 3½-inch pots, \$5 per 100.

**SMILAX,**

strong plants from 3½-inch pots, \$3.00 per 100; \$25.00 per 1000.

**FERNS,**

well established plants from 2-inch pots, in 10 choice varieties, suitable for fern dishes and cutting, \$3.00 per 100. Samples sent for 10c in stamps.

**JAMES HORAN & SON,**  
BRIDGEPORT, CONN.

**Complete Catalogue**

OF

Fruit Tree Stocks, Ornamental Trees, Shrubs, Evergreens, Roses, Etc.

Grown by

**P. SEBIRE & SONS,**

USSY, (Calvados), FRANCE,

will be mailed on application to their sole Agents,

**C. C. ABEL & CO.,**

P. O. Box 920 NEW YORK.  
Mention American Florist.

**New, Rare and Beautiful Plants**

**LORD PENZANCE'S** New Hybrid Sweetbrier. Old Garden Roses, etc.  
**SPIRÆA "ANTHONY WATERER,"** flowers rich crimson.

A large collection of rare Hothouse and Greenhouse Plants, carefully grown, at low rates; Orchids, etc.

**PELARGONIUMS.** All the Eur. pean Novelties.  
**RARE AND BEAUTIFUL EVERGREENS.**

**ORNAMENTAL TREES, SHRUBS, &c.**  
**PEONIES.**—A large collection of the finest to cultivation. Hardy Perennials, Phloxes, Japanese Iris, Roses, Clematis, etc. New and Standard Fruits, etc.

17 Catalogues on application

**JOHN SAUL, WASHINGTON, D. C.**

**CARNATIONS**

Extra large field grown Carnations of the following varieties: Per 100

L. MCGOWAN . . . \$5 00

SCOTT, DAYBREAK, STUART . . . 6 00

Stock fine and healthy.

**PANSIES.**

The Jennings strain of finest American grown Pansies. Finest mixed colors, for winter blooming, \$5.00 per 1000.

SEED of above strain, \$1 per pkt. of 2500 seeds.

Cash with order. **E. B. JENNINGS,**

Lock Box 254. Southport, Conn.

CARNATION AND PANSY GROWER.

**SPECIALTIES**

IN BEST VARIETIES.

**ROSES,** from 3-inch pots.

**CARNATIONS,** for fall delivery.

**CHRYSANTHEMUMS.**

**SMILAX.**

**VIOLETS.**

Prices low. Send for list.

**WOOD BROTHERS, FISHKILL, N. Y.**

**VIOLETS.****MARIE LOUISE.**

First size.....\$5 00 per 100

Second size.....\$3 00 per 100

**NATHAN SMITH & SON,****Adrian, Mich.**

When writing mention the American Florist.

**10,000 STRONG AND HEALTHY  
SMILAX PLANTS,**

out of 2½-inch pots. Cheap. Address  
**FRED. SCHNEIDER, 751 Crawford St., Cleveland, O.**

**ROSES, TREES, BULBS, PLANTS.**

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Anrea, Lombardy.

**ONE THOUSAND CAR LOTS of OTHER ORNAMENTAL TREES, SHRUBS, Etc.**

150,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos Hearts, etc.  
150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR.

1000 ACRES.

29 GREENHOUSES.

**THE STORRS & HARRISON CO.,** PAINESVILLE, OHIO.



FANCY.



DAGGER.

**EVERGREEN CUT FERNS**

SPECIALLY FOR FLORIST'S USE.

**\$1.25 PER THOUSAND FERNS.**

IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns furnished the year round. Special attention given to supplying the Wholesale Trade.

**BOUQUET GREEN.** For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.

**SPHAGNUM MOSS** a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.****Herr's Pansies.**

Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

**FIELD CROWN CARNATIONS,** fine plants, reasonable prices.

**L. B. 496.****ALBERT M. HERR, Lancaster, Pa.****PANSY****SEED**

The Best from many Growers, not the selection of one grower only.

**"International,"**

the best mixture. Trade pkt. 50c ;

¼ oz. \$1.50; oz. \$10.00.

**"Giant" Mixed,**

a very popular Florist's strain. Trade

pkt. 50c ; ¼ oz. \$1.50; oz. \$5.00.

**VAUGHAN'S SEED STORE,**

NEW YORK,

CHICAGO,

26 Barclay St.

84 &amp; 86 Randolph St.

**PANSY SEED.** New Crop just arrived.

**GIANT PRIZE PANSY,** most brilliant mixture ever sold, containing the finest varieties in splendid colors and excellent size. Highly appreciated by all who have tried it

1-4 oz. \$1.50. 1 oz. \$5.00.

**FLORIST'S MIXTURE A No. 1,** very fine mixture of large flowering varieties and choice colors, especially selected for florists' use.

1-4 oz. \$1.00. 1 oz. \$3.00.

Our Pansy Seeds have been personally examined in Germany. Write for pamphlet about "LYSOL" the Ideal Insecticide.

**HERRMANN'S SEED STORE,**

413 E. 34th St., (near L. I. Ferry), NEW YORK.

**Pansies Worth Raising.**

**STRONG PLANTS,** ready now, \$2.50 per 500; \$4.00 per 1000. Discount on large orders. Free on board express here.

Also SEED as usual. Cash with order. Full value in return.

**C. SOLTAU & CO.,**

199 Grant Ave., JERSEY CITY, N. J.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

**Roemer's Superb Prize****PANSIES.**

The finest strain of Pansies in the world, and of all leading Novelties.

PLANTS at 75c. per 100; \$5.00 per 1000.

CASH WITH ORDER.

**Peter Brown, Florist,****LANCASTER, PA.**

**ZIRNGIEBEL'S GIANT MARKET  
and GIANT FANCY**

**PANSIES,**

In Trade Packets at \$1.00 each.

Also plants of the above superb strains, at \$1.00 per 100; \$5.00 per 1000 for Giant Market, field and double that rate for Giant Fancy.

Plants packed securely to go any distance.

**DENYS ZIRNGIEBEL, Needham, Mass.****GIANT PANSIES.**

Our Select and Improved TRIMARDEAU will give perfect satisfaction in largest flowers, finest colors and vigor in growth. Fine, stocky, field grown plants, 75c per 100; \$5.00 per 1000. Transplanted \$1.00 per 100; \$7.00 per 1000, cash.

Write for liberal offer on large lots. A few sample plants for 2c stamp.

**DANIEL K. HERR, Ryder Ave., Lancaster, Pa.**

**PANSY PLANTS.**

Try Engle's strain. They are up to date. \$4.00 per per 1000. Cash.

**W. J. ENGLE, Box 211, DAYTON, OHIO.**

Always mention the American Florist when writing to advertisers.

New Notes.

SPRINGFIELD, Mo.—H. F. Cardes has been granted a permit to build a greenhouse at 1641 Summit avenue, to cost \$600.

DES MOINES, IA —The Drake University contemplates the erection of a greenhouse on their grounds. Rev. James H. Stockham is financial secretary.

KANSAS CITY, Mo.—The board of park and boulevard commissioners has decided to place a double row of elm trees on both sides of Independence boulevard from Woodland to Gladstone. About 500 trees will be needed.

CONCORD, MASS.—E. W. Bull, known the world over as the originator of the Concord grape, died on September 26, aged 89 years. The funeral was attended by a large gathering of distinguished men from various parts of the country.

SPRINGFIELD, MASS.—The Hampden County Horticultural Society has started a fund towards the erection of a building for its own use, and it is hoped that within a year or two the society may possess a fully equipped Horticultural Hall.

LYNN, MASS.—The annual exhibition of the Houghton Horticultural Society was held at Odd Fellows Hall on September 24 and 25. In the opinion of good judges it surpassed anything of the kind in the society's record. The attendance was very gratifying.

SOUTH WEYMOUTH, MASS.—The thirty-first annual fair of the Weymouth Agricultural and Industrial Society was held here September 26, 27 and 28. The horticultural department was, as usual, a very attractive feature. W. J. Stewart of Boston served as judge.

HARTFORD, CONN.—The exhibition of the Connecticut Horticultural Society, which took place in the Putnam Phalanx Armory September 18 and 19, was one of the best ever held here. The display of plants and flowers, fruits and vegetables was unusually good.

NEWBURGH, N. Y.—W. H. Cornish, seedsman and florist, has made an assignment to S. U. Round. Among the largest creditors are a number of the seed dealers in other cities. The Orange County Fair was a grand success as usual. F. J. A. Schaefer and Robt. Brown were among the largest contributors.

POUGHKEEPSIE, N. Y.—The Dutchess County Horticultural Society, which was organized last winter, will hold an exhibition of plants, cut flowers and other horticultural products at the State Armory in this city on November 6, 7 and 8. Premiums to the amount of \$300 are offered. Copies of schedule may be obtained from Vice-President M. J. Lynch.

Surplus Stock.

CARNATIONS, field grown, good healthy stock, \$5.00 per 100, in the leading varieties.  
SMILAX PLANTS, in 2-inch pots, \$2.00 per 100  
CHRYSANTHEMUMS, in 4 and 5-inch pots, \$15.00 per 100, in the leading varieties.  
\* \* \* Inside prices given on large quantities.

Address Nanz & Neuner, Louisville, Ky.

CARNATIONS.

7000 DAYBREAK, good plants, averaging spring shoots, \$6 per 100.

Geo. J. Court, Wilkes-Barre, Pa.  
Attention American Florist.

CARNATIONS.  
Field Grown Plants.

	PER 100	PER 1000
7000 Wm. Scott, extra selected,	\$8 00	\$75.00
Good plants,	6 00	50.00
3000 Mme. Albertini, extra strong,	6.00	50 00
5000 Lizzie McGowan, extra selected,	8.00	75 00
Good plants,	6.00	50.00
150 Helen Keller, 150 fine plants,	\$12.00 for the lot.	

ALL OTHER VARIETIES SOLD OUT.

C. W. WARD, Mgr.  
THE COTTAGE GARDENS,  
Queens, L. I., N. Y.

CARNATIONS.

Strong, field grown plants, at \$8.00 per 100.

DAYBREAK, PURITAN, SILVER SPRAY,	THOS. CARTLEDGE, SWEETBRIER, PORTIA,	JACQUEMINOT, WM. SCOTT, EMILY PIERSON.
--	--	--

WE ARE HEADQUARTERS FOR  
FARLEYENSE FERNS.

2-in. \$15 00; 2½-in. \$18.00; 3-in. \$25 00; 4-in. \$50 00 per 100.

NEW YORK: 26 Barclay St. VAUGHAN'S SEED STORE, CHICAGO: 84-86 Randolph St.  
GREENHOUSES WESTERN SPRINGS, ILL.

Horticultural  
Manure

contains more plant-food in one hundred pounds than is contained in one ton of any natural manure.

Liquid Manure

made from it is cleaner, cheaper and better than from any other source.

In 10, 25, 50 and 100 lb. packages for florists' use. Write for trade prices and pamphlet.

ROBT. L. MERWIN & CO., 83 Wall St., N. Y.  
When writing mention American Florist.

	doz.	per 100
CLEMATIS, large fl'g, best kinds,	\$3.00	\$22.50
PÆONIES, fine Ass't, named.....	1 25	8.00
POET'S NARCISSUS, double white, large stock.....		.75
SMILAX, 2½-in., fine plants.....		1.50
DOWNING GOOSEBERRIES, best gro'n, 2.50		

F. A. BALLER, Bloomington, Ill.

PALMS SELL ALL THE YEAR.

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 4 & 5-inch \$3.50, 20 for \$6; 6 6-in. for \$5. All good selected varieties. Special sale: Choice Ferns, \$5.00 & \$6.00. SMILAX, fine plants in 2½-inch pots, \$2.00 per 100.

FIELD GROWN CARNATIONS.

SILVER SPRAY, PORTIA,  
LIZZIE MCGOWAN, GARFIELD,  
TENDERS, HINZ'S WHITE.  
Price \$5.00 per hundred.  
Williams & Sons Co., Batavia, Ill., Labels & Moss, etc

CARNATIONS  
Field Grown Plants.

ELDORADO and OTHER SEEDLINGS.  
W. R. Shelmire,  
Send for circular. AVONDALE, PA.  
Mention American Florist.

10,000  
Wm. Scott Carnations.

Strong, healthy plants, \$8.00 per 100;  
\$60.00 per 1000. Cash with order. Speak quick.

GEO. HANCOCK & SON, Grand Haven, Mich.

DAYBREAK, ALBERTINI, PURITAN,	1st size, \$8 per 100 2nd size, \$6 per 100
-------------------------------------	--

ALSO OTHER SORTS.  
Asparagus Plumosus, 2-inch, \$6.00 per 100  
FORCING ROSES, CYCLAMEN  
AND PRIMROSES.  
A. S. MacBEAN, Lakewood, N. J.

Adiantum Farleyense Fern

	Per doz.	Per 100
2-inch.....	\$2.00	\$12 50
3-inch.....	3.00	20.00
4-inch.....	5.00	4.00
5-inch.....	9.00	75.00

We have the finest and largest stock in the west.  
BAKER BROS.,  
P. O. Box 72. KANSAS CITY, MO.  
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## A Color Chart

far more brilliant than that of Mr. Mathews may be had by planting and cherishing our field plants.

Carnations Introduced this year:

	Per 100
OPHELIA—(Own). Pink, large and free, flowers bring top price.....	\$15.00
KOHINOOR—(Pennock). Large white, occasionally pencilled with pink, very fine.....	10.00
SHELMIRE'S LIST.	
ELDORADO—A free blooming yellow, finely formed flowers, often reaching 3 inches, petals edged with pink.....	15.00
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EULALIE—Light yellow, handsomely pencilled with light pink.....	10.00
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DAISY BELL—White variegated, same class as Chester Pride, flowers much larger, and the plant will bloom much sooner.....	10.00
GENERAL LIST.	
SWEETBRIER, light pink.....	8.00
WM. SCOTT, pink.....	8.00
THOS. CARTLEDGE, dark pink.....	8.00
PORTIA.....	8.00
McGOWAN.....	6.00
STUART.....	8.00
UNCLE JOHN.....	8.00
HELEN KELLER.....	8.00
MRS. FISHER.....	3.00
OPHELIA.....	5.00
BUTTERCUP.....	5.00
AURORA.....	3.00
VIOLETS LADY CAMPBELL.....	6.00
MARIE LOUISE.....	6.00

**Edwd. Swayne,**  
KENNETT SQUARE, PA.

## CARNATIONS

LARGE FIELD GROWN PLANTS.

	Per 100
WM. SCOTT.....	\$7.00
DAYBREAK.....	6.00
NANCY HANKS.....	6.00
PORTIA.....	6.00
LIZZIE McGOWAN.....	6.00
MRS. FISHER.....	6.00
TIDAL WAVE.....	6.00
Also Choice VIOLET plants.....	5.00

Write for prices on 500 lots or over.

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FIELD PLANTS AND ROOTED CUTTINGS IN SEASON.

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## FIELD GROWN CARNATIONS.

EDNA CRAIG, MME. ALBERTINI, DAYBREAK, MRS. FISHER, BLANCHE, FRED. DORNER, SILVER SPRAY, WM. SCOTT, \$7.00 per 100.  
MRS. REYNOLDS, RICHMOND, GARFIELD, PORTIA, E. G. HILL, MRS. HIPP, LIZZIE McGOWAN, \$5.00 per 100.  
Terms, cash with order.

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## CARNATIONS, BOUVARDIAS,

STRONG FIELD-GROWN PLANTS.

Very low prices on application.

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## SURPLUS FIELD-GROWN CARNATIONS

L. McCOWAN, WM. SCOTT, DAYBREAK, PORTIA, THOS. CARTLEDGE.

My plants are grown on most favorable carnation soil; have always been free from rust; are of firm, healthy growth, and will give the best results in winter flowering. Write for prices.

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## 40,000 FIELD-GROWN GARNATIONS!

ALL THE BEST VARIETIES.

From Four to Twelve Dollars per Hundred, according to variety.

SEND FOR PRICES.

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GRAND HAVEN, MICH.

## 4 Acres Field Grown Carnation Plants, 96,000.

Our Carnations are grown with the greatest care, are first-class, and free from disease. We pack light by our improved system of packing by which we can send them to all parts of the United States and Canada in perfect condition.

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ADELAIDE KRESKEN  
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DAYBREAK

L. L. LAMBORN  
LIZZIE McCOWAN  
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SWEETBRIER

STUART

UNCLE JOHN

PURITAN

GRACE WILDER

TIDAL WAVE

MRS. CARNECIE

JACQUEMINOT  
HELEN KELLER  
BUTTERCUP

CHESTER PRIDE

CARFIELD  
HINZE'S WHITE  
PORTIA

**J. L. DILLON, Bloomsburg, Pa.**

## 40,000 CARNATIONS.

Field Grown.

	PER 100
DAYBREAK.....	\$5.00
NANCY HANKS.....	5.00
LIZZIE McGOWAN.....	5.00
SILVER SPRAY.....	5.00
AURORA.....	4.00
HELEN KELLER.....	7.00
FRED CREIGHTON.....	4.00
VIOLETS, MARIE LOUISE.....	5.00

All good strong healthy plants.

**ROGERS PARK FLORAL CO.,**

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## Field Grown Carnations.

GOOD HEALTHY PLANTS.

	Per 100
UNCLE JOHN.....	\$8.00
STUART.....	8.00
BRIDESMAID.....	10.00
ALBERT N.....	8.00
WM. SCOTT.....	8.00
E. A. WOOD.....	8.00
METEOR.....	10.00

**FRED. DORNER & SON,**  
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Just Received **CANE STAKES**  
EXTRA GOOD QUALITY.  
9 to 12 feet long, \$6.00 per 1000. 2000 for \$10.00.  
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**Fisher & Aird, MASS.**  
NEW AND TESTED  
**CARNATIONS.**

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**Carnation Grower**  
ALPLAUS, N. Y.

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## LARGE FIELD GROWN Carnation Plants.

First-Class, and Free from Disease.

DAYBREAK, only \$5.00 per 100; \$40.00 per 1000 to close out.

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TIDAL WAVE, FERD. MANGOLD,  
COL. WILDER, HINZE'S WHITE,  
LILLIAN ABBE, SILVER SPRAY.

CASH WITH ORDER.

Also large stock of Palms, Pandanus Utilis, Aspidistras, Century Plants, etc., etc. Large specimens, fine for decorations. Will be sold cheap to close out.

**S. J. REUTER, Westerly, R. I.**

## FINE FIELD GROWN GARNATION PLANTS

6000 DAYBREAK..... \$6.00  
SCOTT..... 6.00  
CARTLEDGE..... 6.00  
HELEN KELLER..... 6.00  
15,000 LIZZIE McGOWAN (fine)..... 5.00  
TIDAL WAVE..... 5.00  
ORANGE BLOSSOM..... 5.00

Also 2000 MARIE LOUISE VIOLETS, no spot, at \$7.00 per 100.

PAYSY PLANTS, flowering, \$5.00 per 100.

**GEO. B. WHITEHEAD, L. B. 116, Greens Farms, Conn.**

## GOOD FIELD GROWN CARNATION PLANTS CHEAP.

Portia, Pierson, Tidal Wave, Garfield, Silver Spray, Grace Wilder.

Also strong SMILAX PLANTS from 2½-in. pots.

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**E. G. HILL & CO.,**  
**Wholesale Florists**  
RICHMOND, IN. N.A.

## News Notes.

WAKEFIELD, MASS.—Edw. Mellett & Sons are no longer in the business here.

READING, MICH.—D. C. Huggett is just starting in business here as a retail florist.

COLUMBIA, Mo.—Fred Schmittker, late of Springfield, Mo., has recently started in business as a florist here.

NEVADA, Mo.—The Missouri State Hort. Society will hold its thirty-eighth annual meeting here December 3, 4 and 5 next.

HAMILTON, ONT.—From present indications there will be no chrysanthemum show by any of the local organizations this year.

TECUMSEH, NEB.—The firm of Gaiser & Co., nurserymen, has been dissolved, Mr. A. Gaiser continuing the business and Lewis Imler retiring.

COVINGTON, KY.—J. W. Ewing has erected a greenhouse at 1556 Garrard for general retail trade, and expects a good local business this winter.

BIG RAPIDS, MICH.—L. L. Blair has added a new house 24x65 for roses, and has planted his former rose house with as fine a lot of carnations he has ever had.

JOHNSTOWN, PA.—Messrs. A. Akers & Co. have built a 20x100 rose house and are now prepared to carry on a general florist business. G. W. Osborn has put up a 20x80 house for vegetable plants.

KNOXVILLE, TENN.—The Knoxville Floricultural Society will hold its annual chrysanthemum show in November. Mr. Henry Fenton is secretary. The annual report shows a balance of \$301.13 in the treasury.

NEW ORLEANS, LA.—The dates decided upon for the chrysanthemum show of the New Orleans Hort. Society are November 7 to 10 inclusive. Mr. Paul Abele is secretary and his address is Joseph and Laurel streets.

NEW CASTLE, PA.—Messrs. W. D. Fisher & Sons have moved their retail store to more commodious quarters on East Washington street. A well built, modern rose house 18x75 is a recent addition to their greenhouse plant.

GERMANTOWN, PA.—The Germantown Society will not hold a chrysanthemum show this fall. Early in the year the necessary funds were subscribed, but in July the offer was withdrawn, and as a result there will be no exhibition.

EASTON, PA.—Mr. Wm. F. Keller has built two additional houses, one 20x125 for roses and the other one 20x127 for smilax and miscellaneous stock. He has also built an office in connection with the greenhouses. Mr. Keller reports trade as being brisk and encouraging.

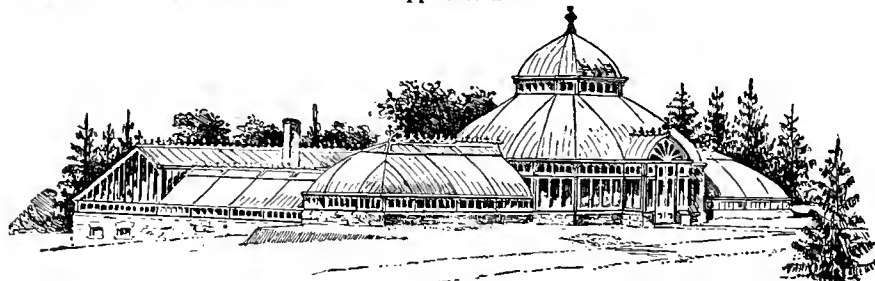
RICHMOND, IND.—Florist Beach had an opening at his new store in the Hotel Westcott on the 14th inst. which was attended by about 3,000 people. The store was prettily decorated, but no sales were made. Over 2,000 roses and 500 carnations were given to the callers.

DORRANCETON, PA.—Mr. B. F. Dorrance has added four new houses to his extensive plant, each covering 18x155, and a cross house 18x149. These are models of the kind, being constructed entirely of iron, iron purlins, iron posts, rafters, etc., not a particle of wood having been used anywhere. The houses are heated by low pressure steam.

## LORD & BURNHAM CO., Horticultural Architects and Builders,

STEAM AND HOT WATER ENGINEERS.

Plans and estimates furnished on application.



Largest builders of Greenhouse Structures. Six highest Awards at World's Fair.

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## HOW TO GROW CUT FLOWERS

By M. A. HUNT.

A PRACTICAL TREATISE ON

### THE CULTIVATION OF THE ROSE.

CARNATION, CHRYSANTHEMUM,

And other Flowering Plants for

### CUT FLOWERS.

Also, GREENHOUSE CONSTRUCTION, Illustrated. Handsomely bound in Cloth, and sent to any address upon receipt of \$2.00.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

## NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

## AMERICAN FLORIST COMPANY.

P. O. Drawer 164, CHICAGO.

## D. H. ROBERTS, 132 and 134 S. Fifth Avenue, NEW YORK, NATURAL GAS MADE GLASS, FOR ROSE HOUSES, CONSERVATORIES, ETC., ETC.



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FOR WATER, AIR, STEAM, ACIDS,  
OILS, LIQUORS, GAS, SUCTION,  
And for any and every purpose for which a hose  
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Sizes, 1/2-inch to 42 inches diameter.  
The making, vending or use of any Serviceable  
Armored Wire Bound Hose not of our manufacture  
is an infringement on one or more of our  
Patents. The rights secured to us render each individual dealer or user responsible for such unlawful  
use with all the consequences thereof. For prices and discounts address WATERBURY RUBBER CO.,  
Sole Mfrs and Owners of all the Sphincter Grip Armored Hose Patents, 49 Warren Street, New York  
J. C. VAUGHAN, Agent, CHICAGO.

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Nurserymen, Seedsmen. Write to

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## THE COLOR CHART.

We can supply extra copies of the color chart  
that appeared in the Convention Number at

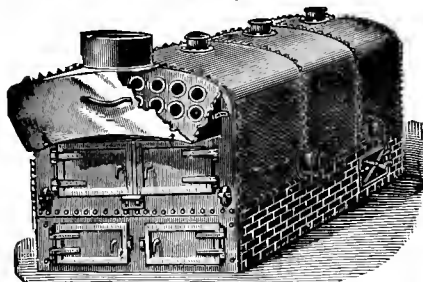
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Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island. Only 29 Kingstons in the U.S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Asso., Ill. "The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

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PLACE  
OF  
WIND  
MILLS  
  
HOT  
AIR  
PUMPING  
ENGINES

### A Windmill

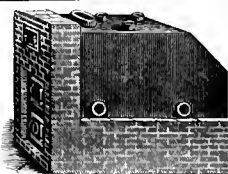
Is unreliable because it depends upon the element for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

DE LAMATER-RIDER OR  
DE LAMATER-ERICSSON

Hot-Air  
Pumping Engines

are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable, require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

Send for illustrated catalogue to  
THE DE LAMATER IRON WORKS,  
467 West Broadway,  
NEW YORK, N. Y.



GREEN-HOUSE  
HEATING.  
MYERS & CO.

1518 & 1520 S. 9th St.  
PHILADELPHIA.  
Send for catalogue  
and price list.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

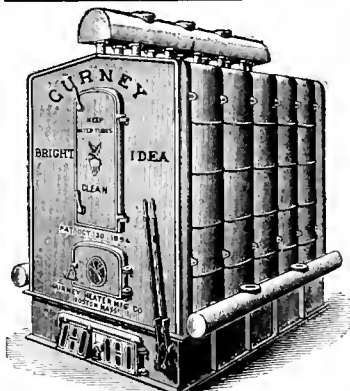


## Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

LOCKLAND LUMBER CO.

LOCKLAND, O.



Gurney "Bright Idea" Water Tube Heater.  
(For Hot Water.)

Gurney Hot Water Heaters  
AND Steam Boilers.

UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

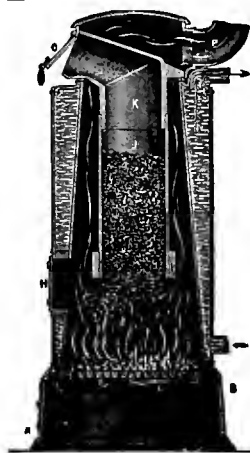
ALWAYS EQUAL TO THE OCCASION.

Send for Greenhouse Catalogues.

GURNEY HEATER MAN'FG CO.,

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BOSTON, MASS.



## THE "TABASCO" WATER HEATER.

ALL STEEL. SELF-FEEDER.

—FOR—  
GREENHOUSES,  
CONSERVATORIES

And all places requiring hot water for  
HEATING AND GENERAL USE.

KEWANEE BOILER COMPANY

96 Lake Street, CHICAGO.

KEWANEE, ILL.

## HOT BED SASH.

VENTILATING SASH. ALL SIZES TO ORDER.

FINN, COLE & CO., 8 HOWARD ST., N. Y. CITY.

## New Directory.

A corrected edition of our Trade  
Directory and Reference Book  
will be issued Jan. 1, next.

AMERICAN FLORIST CO.

P. O. Drawer 164. . . . CHICAGO.

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## GLASS

which is absolutely perfect for modern  
greenhouse construction.

ROCK BOTTOM PRICES.

Send for Estimates. Satisfaction Guaranteed.

REED GLASS CO.,

102 South 5th Avenue. NEW YORK CITY.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

## News Notes.

NEW BEDFORD, MASS.—The annual chrysanthemum show of the Gardeners' and Florists' Club will be held November 5-8.

BLUE SPRINGS, NEB.—Mr. U. B. Reed, secretary of the State Hort. Society, was recently accidentally killed at a railroad crossing.

ELYRIA, OHIO.—J. P. Miner has bought out the greenhouses of Sears & Gooding and will continue the business. His address is 27 Lake avenue.

JACKSONVILLE, ILL.—The business of the late E. R. Walters will be continued under the old name. Mr. Walters served for ten years as Supt. of Diamond Grove Cemetery and was Supt. there at the time of his death. Mr. Walters was born in this city in 1844.

WORCESTER, MASS.—Jos. Brierly, a long time member and enthusiastic supporter of the Worcester Horticultural Society, died at his home on Kingsbury street, in this city, on September 25, after a long illness. Deceased was 70 years of age and was born in England. He was a man of kindly disposition and had many friends.

PIQUA, OHIO.—The local authorities here are much worked up over the so-called pestilence of snails which, for lack of exact information, has been stated to originate with the greenhouses of Mr. H. P. Smith. It is reported in the papers that the removal of the greenhouses may be ordered as the only means of abating the nuisance. Mr. Smith asks the assistance of other florists in combating such action, should it be begun, as it would surely be very injurious to florists generally.

PADUCAH, KY.—C. L. Brunson & Co. have repainted their entire establishment and are building a new three-quarter span house 22x125, with a lean-to for propagating. Also an equal span house 10x125, with a large and convenient potting shed connecting the two new houses. These additions make their plant one of the largest and most complete in western Kentucky. Their roses, carnations and chrysanthemums are in finer shape than ever before and they report the outlook for the coming season as very encouraging. They recently decorated a train of electric cars for a trolley party, which was very warmly commended by the local press.

## Jones, McDuffee & Stratton, Plant Pots and Pedestals

of all grades, sizes and values, direct from the best Potteries of England, France, Germany, China Japan and the U. S.

WHOLESALE AND RETAIL.  
120 Franklin St. cor. Federal, Boston, Mass.  
Mention American Florist.

## FLOWER POTS.

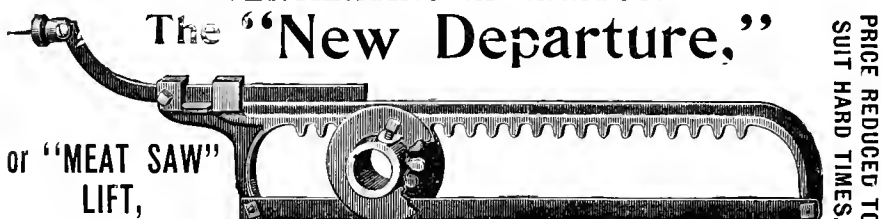
We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

J. G. SWANN'S SONS, Minneapolis, Minn.  
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SEE HERE MR., WHAT'S YOUR NAME, DON'T YOU NEED VENTILATING APPARATUS?



Will do the work quick, better, and COST LESS than any other appliance ever invented.

Address **J. D. CARMODY, Evansville, Ind.**

## Standard Flower Pots.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

A FULL LINE OF BULB PANS.

**The Whilldin Pottery Company,**

BRANCH WAREHOUSES: **713 to 719 Wharton Street, PHILADELPHIA, PA.**  
Randolph Ave. and Union St., Jersey City, N. J.  
Jackson Ave. and Pearson St., Long Island City, N. Y.

## STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

**A. H. HEWS & CO., N. Cambridge, Mass.**

## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipple Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

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## STANDARD FLOWER POTS. FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address

**PITTSBURGH CLAY MFG. CO., New Brighton, Pa.**



## Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere. . . . .

**CAMBRIDGE TILE MFG. CO., Covington, Ky.**

STANDARD FLOWER POTS					
1 1/2 in.....	per	1000,	\$2 43	3 1/2 in.....	per 1000, \$4 06
2 ".....	"	"	3 02	4 ".....	" 7 20
2 1/2 ".....	"	"	3 61	5 ".....	" 12 15
3 ".....	"	"	4 82	6 ".....	" 19 80
C. HENNECKE CO., MILWAUKEE, WIS.					

**C. HENNECKE CO., MILWAUKEE, WIS.**

GEO. R. CHANDLEE. H. C. CHANDLEE.

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Patents and Patent Causes.  
ELECTRICAL AND MECHANICAL EXPERTS.

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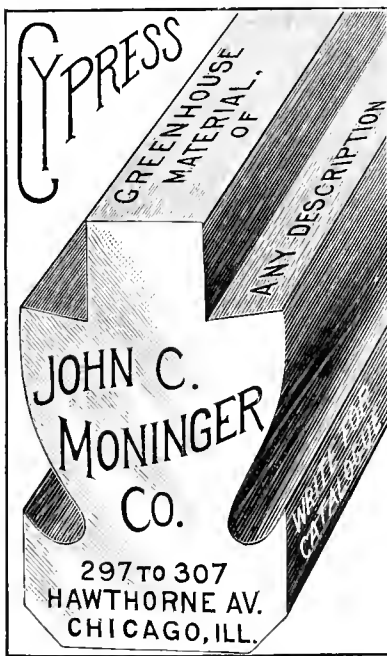
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Manufacturers of

## • CYPRESS • Greenhouse Material,

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**CYPRESS**  
GREENHOUSE  
MATERIAL.  
OF  
ANY DESCRIPTION  
WRITE FOR CATALOGUE

**JOHN C. MONINGER Co.**  
297 to 307  
HAWTHORNE AV.  
CHICAGO, ILL.

## Greenhouse Pipe and Fittings.



Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.

Pipe can be easily put together by any one, very little instruction being needed.

### GET THE BEST.

Hot-Water Heating, in its Economy and Superiority, will repay in a few seasons its cost.

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## NATURAL GAS MADE GLASS. FOR GREENHOUSES.

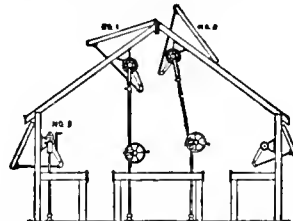
Write for latest prices. ~~~~~

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The only Certificate of Merit awarded for ventilating apparatus at the St. Louis Convention was to the

**POPULAR STANDARD VENTILATING MACHINE**

The florist's friend in working and prices.



No repairs for 5 years. no chains to break as is the result with others.

Opens Sash uniform on 100 foot houses. A new device.

Send for Catalogue and estimates.

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### Horticultural Architects and Hot Water Engineers

Send for Catalogue, enclosing 4 cents in stamps.

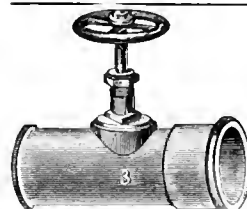
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## California Red Cedar NEVER DECAYS.

**A. DIETSCH & CO., 619 Sheffield Avenue,**

Mfr's of Red Cedar and Cypress Greenhouse Material, **CHICAGO.**



**VALVES,  
FITTINGS  
AND  
VENTILATING  
APPARATUS.**

**COLDWELL-  
WILCOX CO.,  
Newburgh, N. Y.**



**EVANS' IMPROVED  
Challenge  
Ventilating  
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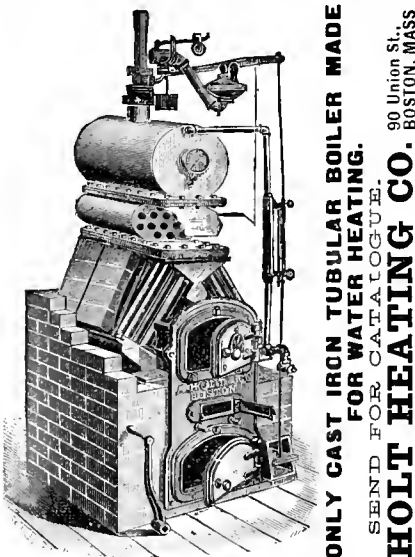
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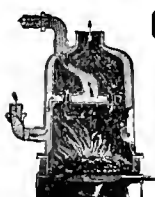


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## Hail Insurance.

All new members of the Florists' Hail Association joining after October 15, 1895, will not be subject to the 6th assessment! The directors have ordered this assessment to be levied on the 14th day of April, 1896, and the six months' exemption to new members will carry them over the 6th assessment after the 15th inst.

The increase in insurance since the last annual report has averaged 70,000 square feet per month. JOHN G. ESLER, Sec'y.

THE premium list for the third annual chrysanthemum show of the Denver Florists' Society has been issued and copies may be had on application to Adam Kohankie, Sec'y, P. O. Box 375, South Denver, Colo.

LANCASTER, O.—New conservatories are being built at the State Reform School at a cost of \$4,000.

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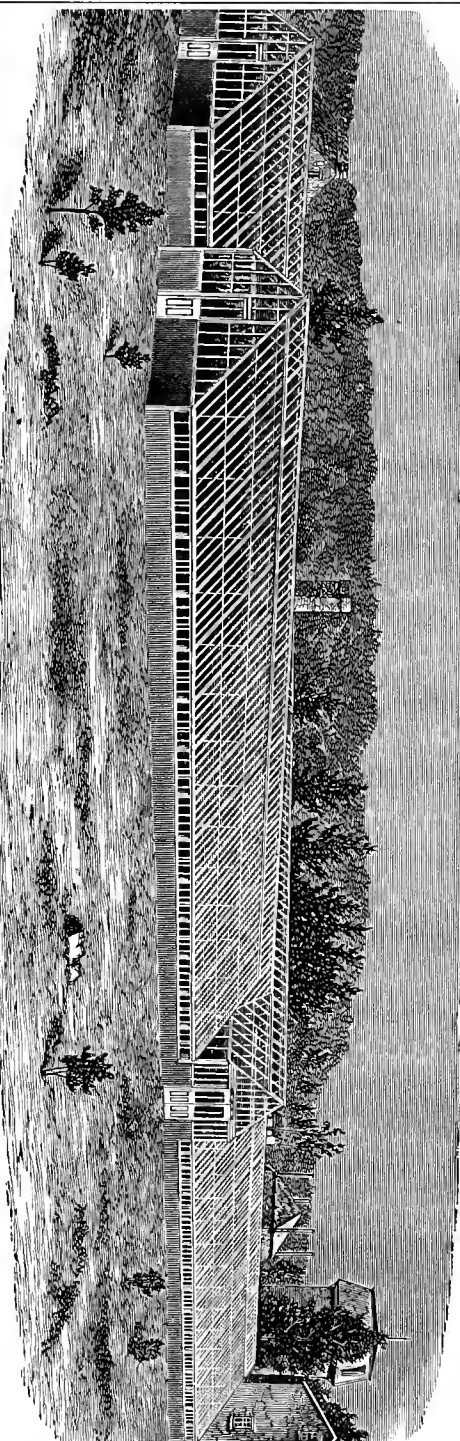
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Vol. XI.

CHICAGO AND NEW YORK, OCTOBER 12, 1895.

No. 384

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY.

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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MR. EGBERT N. REASONER, of Oneco, Fla., was married October 2 at Eldorado, Kan., the bride being Miss Sadie McAnderson. After the wedding supper the couple took the train for Davenport, Ia., for a few days stay with the bride's aunt. After visiting Chicago they will go to the Atlanta exposition and thence to Mr. Reasoner's home in Florida.

### Through American Eyes.

#### LONDON PARKS.

One of the most beautiful examples of decorative landscape gardening is to be seen in Battersea Park, situated on the banks of the river Thames. Considering the location of the park, so near the center of the city, it is of quite large extent. It contains few if any driveways, and is largely used by the public as a place for recreation, there being extensive tracts of green lawn laid off for tennis, cricket and other outdoor games.

The bedding and decorated portion occupies probably one-fifth part of the whole and is separated from the open lawns by an irregular grouping of evergreens and trees. This portion of the grounds is beautifully laid out. No two beds are the same shape and there is a great difference in the plants they contain; at the same time they all seem to be arranged so that each group forms a part and adds to the beautiful landscape in such a way that if anything were removed it would mar the picture. Although not very extensive a general view of the whole could not be obtained from any one point. An irregular walk circles about the outer edge of the lawn, which is undulating and contains here and there fine specimens of trees; these interfere with the general view, but by their aid beautiful vistas are made possible and the artistic effect greatly enhanced.

Along both sides of this path on the grassy slopes the various beds are laid out. There is little or no carpet bedding, for which this park was at one time noted. Tuberous rooted begonias are largely used and make a gorgeous display with their wealth of bright colored flowers. The smaller flowered semperflorens varieties also do well and are frequently used in connection with other plants. No bed is filled wholly with one kind of plant, the ground surface being covered with alternantheras, dwarf begonias, or other low growing plants, while tuberous rooted begonias, fuchsias and geraniums, mostly the ivy leaf section, are set at such distances apart as to show the other plants beneath. A border of lobelias, different colored alternantheras, pansies, Mesembryanthemum cordifolium variegatum, echeverias or other low growing stock finish each bed. Groups of standard fuchsias were arranged, planted in the lawn five to six feet or more apart, so that each specimen stands out. Palms are also arranged in the same way, the pots being plunged, while a few handsome large specimens stood out by themselves. Some of the beds on the outside are made to conform to the curve of the walk, they are placed some fifteen or twenty feet away with the shrubbery as a background. One of the most striking contains castor beans, tobacco, white herbaceous phlox, white stocks, fuchsias and

border of lobelia. Through this bed, standing above the lower plants, are beautiful Japan lilies. These latter are used with good effect in many other beds. A very pretty and unique bed is filled with herbaceous plants principally, there are campanulas, white and blue, Hyacinthus candicans, and a quantity of Lilium auratum that stands up above the others in bold relief. The groundwork of the bed is ivy geraniums and stock gillies with a border of pansies. There are miniature paths laid out in this group which are covered with variegated mesembryanthemum and lobelias. The grass of the lawn is kept in splendid condition, being cut frequently, and the trees here as well as all through the park are well taken care of, no dead limbs being seen anywhere. In the center of the recreation grounds there is a restaurant and about this a circle is laid out and contains some very pretty bedding.

#### HYDE PARK.

The flower beds in this pleasure ground are situated along one side of the park, next to an avenue called the park driveway. This avenue is lined on the opposite side with fine residences. Like Battersea Park, it contains no driveways, though the grand stretches of lawns are quite extensive and there is an abundance of beautiful and symmetrical trees. The public are allowed to use the lawns for cricket and other outdoor games. There is also a very pretty artificial lake crossed by ornamental bridges. The bedding is arranged in two long rows, there are circles, parallelograms and squares all cut out of the sod. A wide gravel walk separates one line of beds from the other and a similar path runs between the inner rows and the park proper. These beds are planted with a great variety of flowers, among the most prominent are fuchsias, tuberous rooted begonias and ivy leaf geraniums. Begonia semperflorens is bedded with good effect. Pansies are largely used for borders and also to fill in among fuchsias, ivy leaved geraniums and other plants. Nearly all the beds were planted in this way; tall growing stock was set among that of lower growth at such a distance that each plant stood out prominently and those on the surface of the bed had plenty of light and bloomed quite as freely as their taller companions. There was such variety in this style of planting that each bed seemed more interesting than the other. We must say, however, that the color effect produced by some of the mixtures is not up to Mr. Mathews' standard. There are several groups of palms, the pots plunged and placed so that each plant is effective in itself. Bamboos in pots are arranged in the same way and the effect of this group is very pretty. Some quite tall plants of Plumbago capensis are planted in a group, and like the palms and bamboos they stood out individually, they seem to

bloom freely but were not looking as strong and hearty as with us.

There is no *Begonia rubra grandiflora*; the good qualities of this variety may not be known to them, but as other sorts that do not seem to thrive well here on account of the hot and dry atmosphere do beautifully there, this grand kind should attain a perfection that would completely eclipse the others.

#### REGENT'S PARK.

The ornamental bedding in Regent's Park was much more extensive than in either of the others. The landscape effect is not so pleasing as at Battersea, the arrangement of the flower beds being mainly along straight paths, there is, however, an abundance of well kept lawn space to relieve and set off the high color effects of the flowers. There is also as a background fine specimens of trees and quantities of shrubbery, and at intervals at the junction of walks and between the beds are a number of handsome large vases from six to ten feet in diameter. In the beds there is a great variety, no two being exactly alike and all containing several kinds of plants, none being entirely of one variety.

A bed planted with yellow *alternanthera* with the red variety of the same as a border contains as well ivy leaved geraniums; these are staked up to a height of two feet or more and are blooming profusely. The variety is Countess Horace de Choiseul. The geraniums were probably eighteen inches apart. Another contains pentstemons, cockscombs and a striped grass with a body of *alternanthera* to cover soil and border of same, different color. A striking bed was planted with tuberous rooted begonias, scarlet and yellow, body of bed yellow *alternanthera* and border of lobelia. Another had a foundation of red *alternanthera* in which is set red fuchsias and white asters; the border is *Mesembryanthemum cordifolium variegatum*.

An effective bed contains geranium *Verona*, a golden leaved variety, and *Achyranthes Lindenii*; these are planted in rows alternately and running diagonally across the bed; the border is lobelia, which by the way is in full flower the entire season. *Anthericum variegatum* as a body has for companions rubbers and dracenas, and is bordered with *alternanthera*. This bed is very pretty. Variegated leaved fuchsias three feet high, *Dracena Bruantii*, red tuberous begonias and border of *alternanthera* formed another unique example. A bed of a dwarf yellow chrysanthemum is an exception to the rule of more than one kind of plant to the bed, but we believe the only one; the variety is called *Precoce* and although coming in to flower does not seem to be doing well; the border is sweet alyssum. *Dracena congesta*, *Grevillea robusta*, scarlet tuberous rooted begonias in a ground of *alternanthera major*, the whole bordered with *mesembryanthemum* formed another striking bed. A bed of golden *alternanthera* contains dwarf cannas, the border being white lobelia. The cannas are dwarf indeed, not doing nearly as well as with us. Pretty plants of *araucarias* about two feet high in a bed of red *alternanthera* with a border of *echeveria* are very effective, the rich green of the *araucarias* making a fine contrast with the *alternanthera*. Another of a foundation of red *alternanthera*, *Queen Olga* geranium, a fine pink, together with variegated anthurium and bordered with *Meteor fuchsia*, a pretty variegated variety of a trailing habit, which was pegged down, made a handsome bed. Two long

beds of *Mme. Corneillon fuchsias*, plants four feet high, a red with a white corolla, together with white asters around the edge and bordered with lobelia are very pretty. An attractive bed has golden moneywort for a foundation, in which are planted scarlet tuberous rooted begonias and bordered with lobelia. There is a bed of white chrysanthemums bordered with lobelia *Snowball*, a white variety.

A very pleasing effect is produced with a foundation of bluish pansies, through which is planted *Mrs. Marshall fuchsia*, a white with a pink corolla, and the border being *Meteor fuchsia*. A body of *mignonne*, planted with golden privet and scarlet geraniums, and a border of *Antennaria tomentosa*, was also pretty. There was a bed of *araucarias*, *Begonia semperflorens* and a border of red *alternanthera*. A striking bed was made with *Coreopsis lanceolata* above dwarf cockscomb and border of *centaurea*. A bed of *marguerites* or *Paris daisies* bordered with lobelia was very neat; the daisies were quite dwarf but loaded with flowers so as to almost hide the foliage. Red fuchsias, white herbaceous phlox and border of yellow pansies looked well together. The herbaceous phlox in various colors seem to do very well and was full of bloom wherever seen. It was used a great deal in all large borders. A bed of *Erythrina christa-galli* over a mound of yellow *minulus* with a border of Blue Bell pansy was showy. A border bed of *Celosia plumosa*, both yellow and red, and dwarf cockscombs was very effective, the plants being very full of blooms. On one of the grassy slopes there are some magnificent plants of tree fuchsias; these are dotted some ten to twelve feet apart. They are four to six feet in height and the branches seem to be borne down with their weight of flowers. They are one of the prettiest sights in the park.

Some large vases eight to ten feet in diameter are only about three feet above the ground, these are filled with ivy geranium which are one blaze of bloom. A large border of the same plants encircles the vases at a distance of about eight feet. Some vases from six to eight feet in diameter are placed at the ends of a range of flower beds or at the junction of walks and make a great show, being filled with palms, cannas, ivy geraniums and nasturtiums and other vines. There are also a few beds of palms, quite large ones, the prominent varieties used being *phoenix* and *latanias*; these have a very tropical look and add much to the general effect.

Robert Craig said, in looking at these beautiful beds, "We should have more of this floral work in our parks at home," and thought that if the various florists' clubs throughout the country were to take up this subject and bring the matter before the powers that be, a great deal of good will result, and our pleasure grounds made more beautiful and inviting. These displays are sure to be popular and help to educate the public up to a higher standard and increase their love and desire for flowers.

K.

#### Palm Notes.

Though the season of most active growth for many palms is rapidly drawing to a close yet there is much that can be done during the present month (October) for the improvement of the stock of salable sizes, and also in the way of preparation for the next season.

Plants that are in too small pots to retain their full vigor should be shifted on as rapidly as possible, in order that

they may become established before winter sets in, for while there are some palms notably the *kentias*, that will continue to root and make growth freely during the winter, yet in the majority of cases late potting should be avoided, for much more care is required to keep a poorly established plant in condition during the dark days of winter than is needed for one that is pot-bound.

*Latanias* in particular are not rapid rooters in the winter, and therefore any of these that are in need of a shift should be promptly attended to, while a smaller shift will answer the purpose at this time than is advisable at the spring potting. For instance a shift from a 4-inch pot to 5 inch will probably prove more satisfactory than if the same plant were placed in a 6 inch pot, as would probably occur at the regular spring potting. These are, however, among the details that must be settled by the operator in accordance with the condition of the plants, bearing in mind the fact that small pots are decidedly preferable for the retail dealer in order that they may be fitted into a vase of reasonable size.

Any late lots of seedling palms should also be potted off as soon as possible, using as small pots as the roots will permit. Deep pots, such as those sometimes used for small roses, namely, 2 inches in diameter by 3 inches deep, are most suitable for seedlings, for the majority of the latter send down a stiff tap-root that can scarcely be gotten within a pot of ordinary model without breakage, and when these tap-roots are bruised or broken a much greater percentage of loss is liable to occur in the batch of newly potted plants. In the potting of seedling stock it is also preferable to use a somewhat lighter compost than is customary for larger plants of the same species, thus encouraging a more rapid growth of fibrous roots. And it is hardly necessary to remark that a good watering should at once be given to the seedlings as they are set away, for defective treatment with the water pot or hose is no doubt responsible for many of the so-called plant diseases. But as we all know, no cast iron rule can be laid down for the proper watering of a house full of plants, this operation probably testing the powers of observation of a man more thoroughly than any other portion of the business.

Syringing should also be thorough to prevent attacks of red spider and thrips, care being taken to direct the stream under the foliage as well well as on top, and to use all the force possible with a fine spray. After the middle of September it is best to syringe before noon, in order to avoid excessive moisture at night, and at the same time ventilating as freely as the weather will permit, for on this depends the toughness and durability of the foliage.

Some shading is still necessary, but this may be considerably lighter than is requisite during the summer. Extremes of temperature should be avoided, the mistake of "high pressure cultivation," as it is sometimes called, soon becoming apparent in the rapid deterioration of plants thus grown when offered for sale in a store or placed in a dwelling.

So far as temperature is concerned it may be noted that first-class results are obtained with *latanias* in a temperature of 60° at night, *arecas* at 65°, *kentias* at 60°, *rhapis* and *phoenix* at 50° to 60°, *Cocos Weddeliana* at 65° to 70°, and *Livistona rotundifolia* at 70° to 75°, special mention being made of this very limited list from the fact that in it are included all the most interesting species





BEDDING AND VISTA IN BATTERSEA PARK, LONDON.  
THROUGH AMERICAN EYES.

to the average florist at the present time.

In the war of extermination that the palm grower is compelled to engage against the legion of insect pests on his favorites, the fumigator should not be forgotten, and a good smoking with tobacco stems about once a month will effectually discourage the attacks of thrips, aphids, and some other insects, and if properly managed will not injure the tenderest leaves. W. H. TAPLIN.

#### Double Sweet Peas.

My attention is called to an article in Messrs. Vick's *Illustrated Magazine* for October on double sweet peas. It is a reply to what I said on this subject in the *AM. FLORIST* of September 14. They put me under great obligation in the kind way they take issue with me. I feel a good deal more anxious to emulate their example of courtesy than to prove my position. One needs to see in cold type his own writing in order to see how his language sounds. From another friendly source also I am told that my strictures on the double sweet peas sounded harsh. Messrs. Vick's long experience among flowers shows in their very tone of writing that they have caught their gentle influence. And the point which they take issue upon, with regard to double flowers being made from stamens, is, of course, well taken. The flowers they mention as being doubled, although more or less irregular, and without any change of the stamens are well known. Indeed, some of them may more properly be said to be doubled than if their extra petals were developed stamens, for they apparently have one corolla set right into another.

The one little pedantic slip in my article doubtless was equally noticed by others.

But the real question is about double sweet peas. If the new one, which Messrs. Vick are to offer under the name of *Bride of Niagara* next season, does produce a considerable percentage of blossoms with two or three standards, and if flower patrons are pleased with it and it holds from year to year its trade value would entitle it to respect. The variety that has produced most of these so-called doubles this year is *Lottie Eckford*, and it is peculiarly adapted to this, for it gives more of the blue edge effect. But I still hold to my first position, that thus far these so-called doubles have been malformations, and a mere sign of a little excess of vigor, and that the edict of a true taste will be for a single flower, with an expanse of standard on which the individual color and markings of each variety will have a field to display their peculiarities. I compared this to the pansy, and although Messrs. Vick have sent several specimens of double pansy there is no danger of the large single pansies being given a second place in favor of the inferior sized double. If a flower has perfume to commend it, like the double violets, the broad surface for display of color and markings is not so important. In the sweet pea we do have the perfume, but no less do we have a standard perfectly adapted to that which makes the large pansy such a favorite, a broad surface where nature can display its finest art in coloring, and in those beautiful markings which add such interest to nomenclature.

Your paper being a trade journal gives greater freedom in discussing these points.

I should be very careful about writing anything for the public eye which handicapped in any sense the sale of a prospective novelty. I think my friends, Messrs. Vick, will find me glad to help in the introduction of anything that they believe to be meritorious.

W. T. HUTCHINS.

#### October Work.

Many of our ornamental tropical plants used for outdoor decoration during summer are kept out entirely too late, and are much injured and retarded thereby. It is not alone the very tender tropical plants, but many others used by the florist are kept out too late and although the advanced men among the craft have learned wonderfully better in the last ten years, there are still hundreds whose bread and butter depends on the wintering of their plants, who make no provision. Plants intended for winter bloom ought to have been potted a month ago or more, that their pots might become well filled with roots, which can rarely be the case when they are left too late. The inevitable result is that their energy becomes dormant, and the very object of their existence, floriferousness, is impossible. A closer study of botanical geography would enable growers to understand the needs of their plants better. Some one of the little atlases giving maps and particulars of climate will often show both the gardener and the florist that even tropical regions vary wonderfully in climate and season. There are some

South African plants which will illustrate my meaning very exactly; and it will be manifest that very different natural conditions are at the bottom of their varying behavior.

The old *Crassula coccinea* makes its growth in autumn, winter and spring, completing it by the middle of May. It should then be completely rested in the sun, with barely a drop of water for two or three months (according to the strength of the plants). Then with growing conditions during the second winter it will flower gorgeously, if the climate is not altogether too cranky for it. The common calla is similar as to its growing period, but another, *Richardia maculata*, has a period of vegetation the exact reverse of it. It grows and flowers best in summer, ripens its seed perfectly in the northern portions of the country—and sometimes lives all winter under almost Canadian snows.

Again take a very beautiful little genus of South African bulbs, *schizostylis*, and unlike many of the *Ixia*, I have found it perfects its growth only during our summer. My best success with it was from seed sown in March, transplanted into 4-inch pots, 8 or 9 to a pot, mostly close around the edges, and then however small planting them in the ground at the usual bedding time and potting up by the 1st of September. Here is a chance for some florist to earn a record for cleverness with this plant if he will grow it religiously and in quantity. It will do more for him than tulips.

JAMES MACPHERSON.



#### Chrysanthemum Notes.

Each day brings us nearer and nearer to the pleasures of another season with these gorgeous flowers. If it is necessary to exhibit some of the early varieties, to complete your entries, cut and store them in a cool cellar rather than the ice box. Gallon or half gallon stone jars which will accommodate from six to ten blooms will be found more serviceable than larger ones. Use nothing but clean water, which should be changed every third or fourth day, and at the same time cut off about an inch of the stem before replacing them. Flowers may be kept in this way from three to four weeks in fairly good condition. Become thoroughly conversant with the rules governing the exhibition and abide by them. If the schedule states exhibits must be ready for judging at 10 a. m. see that you are on time. If you have traveled a long distance to be ready at the appointed hour and the management decide to hold over the judging until the next day to accommodate tardy ones you have a right to kick and to kick hard. They are in the wrong, as all such changes in arrangements should be made at least one week in advance of the opening day, and all exhibitors notified of same. Flowers staged and in good condition to-day are quite apt to look the worse for the day's delay, and could not compete with those just staged. Remem-

ber that flowers which are fully matured will keep longer in good condition than undeveloped ones, and are generally considered better by the judges. With all rules adhered to by competitors and management, be contented with the judges' decision. Competent judges are generally secured, but should they be otherwise in your opinion it will be more honorable to withdraw your exhibit and state the reasons to those in charge than to have contention with a judge who has served to the best of his ability.

A few words to the committees on arrangements for the coming shows. The Chrysanthemum Society of America adopted at Pittsburg scales for judging plants and flowers, and recommended other societies to use them. Would it not be convenient for the judges to have them printed in your final program? They are as follows:

- A.** Scale of points for bush plants and standards, single specimen or any number up to six in an exhibition where the class under consideration *does not* form the chief feature in the exhibition hall.
- |  |            |
|--|------------|
| Equality of size and form of plant . . . . | 40         |
| Size of bloom . . . . .                    | 30         |
| Foliage . . . . .                          | 30         |
| <b>Total . . . . .</b>                     | <b>100</b> |
- B.** Scale of points for bush plants, exhibits of more than six or for any number of specimen plants in an exhibition where the class under consideration forms the *chief* feature in the exhibition hall.
- |  |            |
|--|------------|
| Equality of size and form of plant . . . . | 25         |
| Size of bloom . . . . .                    | 20         |
| Foliage . . . . .                          | 25         |
| General effect . . . . .                   | 30         |
| <b>Total . . . . .</b>                     | <b>100</b> |
- C.** Scale of points for plants grown to single stem and one bloom. A height of not over three feet is recommended for plants in this class, and pots not over six inches in diameter.
- |                                 |            |
|---------------------------------|------------|
| Compact sturdy growth . . . . . | 40         |
| Foliage . . . . .               | 30         |
| Size of bloom . . . . .         | 30         |
| <b>Total . . . . .</b>          | <b>100</b> |
- D.** Scale of points for specimen blooms:
- |                        |            |
|------------------------|------------|
| Color . . . . .        | 25         |
| Form . . . . .         | 25         |
| Fullness . . . . .     | 15         |
| Stem . . . . .         | 10         |
| Petallage . . . . .    | 10         |
| Size . . . . .         | 15         |
| <b>Total . . . . .</b> | <b>100</b> |
- It was decided all varieties exhibited before the committees (Section D) that score 85 points are entitled to the society's certificate.

ELMER D. SMITH.

#### An Early Chrysanthemum.

At the meeting of the Central New York Horticultural Society at Syracuse September 25, Mr. C. A. Phillips, a member, exhibited a seedling chrysanthemum in bloom. The flower was fully developed on the 12th, and considering the extreme heat we have had proves it a good laster. It was grown in a five-inch pot. Had more care been given it far better results would probably have been obtained. Mr. Phillips has some 'mums, single blooms, of which you will hear later. H. Y.

[A flower of the above mentioned seedling was sent us. The bloom was white, 3 to 3½ inches in diameter, of the Snowball type and quite double. It should be given another year's trial to verify its earliness, as this is of course its only value. If extreme earliness should prove a permanent characteristic it will be of value. —ED.]

THE Chrysanthemum Society of America has adopted a form of certificate of merit which will be used in making future awards and Chairman Grove P. Rawson of the committee has favored us with a copy. It is certainly a very handsome design and being decidedly original will surely attract instant attention.



#### Carnation Notes.

Mr. C. H. Allen bade us good-bye, and I believe there is not a carnation grower in the land who will not admit that he profited by his remarks, his timely hints and suggestions, and I only express the sentiments of many to assure him of our most sincere gratitude.

In taking up this work I feel somewhat embarrassed with the task before me, not because unfamiliar with the subject, but fearing my ability to handle the subject in a palatable way, so it will not tire the reader, and be instructive. The culture of the carnation has been so fully discussed and received such a wide attention by our horticultural journals that a writer on this subject has to be careful not to give warmed-up dishes. The radius of my observations is nearly limited to my own establishment. I have not the advantage of neighbors whom I can visit or meet in the walks of my occupation like my predecessor. This all tends to make it rather difficult for me, and my embarrassment may be excusable. But one can never say what he can do unless he tries. I have been trying a good many things as regards carnations; now I will try to tell the results of my trials.

As I have said, my observations are limited to my own establishment, my opinions are based thereon, as well as on my experiments, and such I will relate. But one must not infer that a variety that is doing well with me, or a method in growing that is practicable with me, will be so everywhere. If I recommend a variety I recommend it for a trial. When I state a mode of cultivation or any procedure pertaining to it I will be very careful to explain why I do it so. If one wants to profit by it he has to suit it to his situation and circumstances.

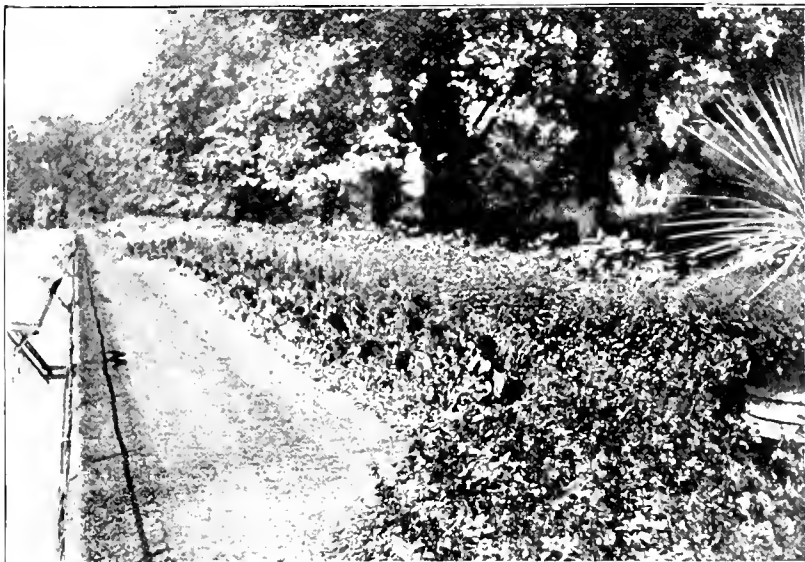
The general state of the carnation at the present time is very encouraging. In the east, where they enjoyed an ideal summer for growing carnations, the prospects for the winter season are just as good. Here in the west we had quite a trying time this season. In our locality we had to contend with dry weather from early spring up to the beginning of September. A heat running often to 100° in the shade, with no rain for months, no night dews for days and weeks, was indeed very severe for all vegetation. On our place we had to water first before we could plant, but with watering and keeping the soil loose and mellow to the depth of one to two inches, we kept our plants in a moderate growing but very healthy condition, and now transferred to the houses, I have seldom seen more healthy and thrifty looking plants than ours at the present time, with a better showing for early blooming than when we had them other years double their size. When lifted in the latter part of August and beginning of September the plants were small, but with exceptionally strong stems and foliage short and nearly stiff enough to prick the skin when touched. Such experience give us a better insight in the constitution of our plants, and nature's working, and many a lesson can be learned thereby and turned to advantage.

FRED DORNER.

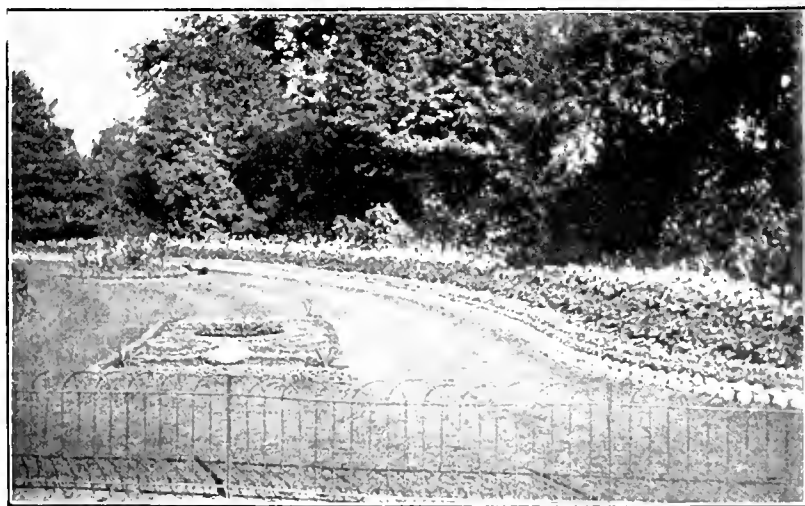




A BED OF HERBACEOUS PLANTS



BEDDING WITH BORDER OF CELOSIAS IN REGENT'S PARK, LONDON.

PART OF A CIRCLE IN BATTERSEA PARK, LONDON.  
THROUGH AMERICAN EYES

## Trouble With Swainsona.

We send herewith two white grubs taken from a bench in which we grow swainsona. The plants seem to die out all in one night, the foliage on a perfectly healthy plant suddenly wilting and death following. The only cause we can discover is these grubs, which we found around the plants that had died. They are strangers to us. Can you tell us what they are and how to combat them?

Nashville, Tenn.

JOY &amp; SON.

The grubs sent were so flattened and withered as to be entirely unrecognizable. If the trouble continues specimens of the grubs should be secured and forwarded by mail in a small wooden or tin box direct to Prof. L. O. Howard, Entomologist, Department of Agriculture, Washington, D. C., and he will tell us about this larva, and whether it is possible for it to do the damage as indicated above or not.

In my experience with growing swainsona I have frequently had plants die, but had always attributed the trouble to imperfect drainage in the soil, or the giving of more water than this plant appears to require; or it may have been a lack of systematic ventilation, as no plant will succumb so quick to bad treatment in that respect, so far as my experience has gone, than this one, being very impatient of a stagnant atmosphere or a sour soil. It had never occurred to me to examine the soil for worms or grubs, having always attributed the trouble to the above named causes. The next case I have of this kind, however, shall receive my most careful attention and it will give me great pleasure to report the results.

L.

## Insurance.

Is there any Insurance Co. that takes risks on greenhouses against storms and fire? If there is any such please give name and rate of premium.

Are there any insurance companies that take risks on greenhouse stock, and is there any provision for such insurance in connection with the Florists' Hail Association?

D. &amp; W.

Nearly all insurance companies will insure greenhouses against fire, but companies that take tornado insurance exclude greenhouses. The rates for fire insurance vary according to locality. In territory covered by the Suburban Board of Underwriters a reduced rate is given to the better class of greenhouse risks, and they promise so far as possible to recognize the classification of the S. A. F.

A few insurance companies will insure stock against fire but at a very high rate. Am not familiar with the names of these companies.

The Florists' Hail Association insures against damage by hail only.

I would further state that when the "Suburban" officially announces what action they have taken, the "Fire Insurance Committee" of the S. A. F. will endeavor to get as many boards of underwriters as possible to adopt the same rate of reduction.

JOHN G. ESLER.

## Wages Again.

ED. AM. FLORIST:—I was more than ordinarily interested in what Mr. Scott had to say about wages in your issue of March 2, and as no one seems to follow up the question I would like to make a few remarks, to give it a fresh start.

Mr. Scott's talk was excellent, coming

as it did from an employer, not an employee. When he spoke of the employee being treated like a piece of cheap machinery he struck the nail square on the head. The men are not treated as well as the horses on the place, for they have plenty to eat and drink, a good bed, and a kind word now and then. It is a pity the employers do not realize how much difference it makes whether they wear a pleasant face or not. And as for wages, they may offer a man of six to ten years' experience \$15 and board to commence with, provided he can furnish first-class references, and he must be at work by 5:30 a. m., closing for the day at 7 p. m. This is farm time, but not farm wages. A farmer will pay an experienced man \$20 anyway.

In the last three years the florist business has increased 75 per cent in spite of hard times, while the reverse is the case with the farmers. Yet the farmer pays the same wages to his help, while the florist pays less. All other businesses in the United States have raised wages from 10 to 15 per cent, but the florist must take a decrease and be satisfied. One thing is certain—if the employees do not get better treatment and better wages the employers are going to get worse men, because the better class among them will learn some other trade. NEW YORK.

#### New York.

Cooler atmosphere has reduced the bulk of cut flower receipts, and an abundance of clear sunlight has worked a gratifying improvement in quality, this being especially true of roses, but during the prevalence of such delightful weather greenhouse products are but lightly appreciated by the general public. Furthermore, while the conditions are so favorable for outdoor enjoyment, those people who can stay away from the city will do so, and as this class includes a good percentage of the profitable flower buyers it follows that the retailers find trade excessively dull, and not much improvement is looked for until a period of inclement weather comes to their assistance. In the meantime the wholesalers unload their daily receipts with difficulty, and their prospects for the future are somewhat affected by the contemplated enforcement after October 15 of the ordinance against the street stands. As to chrysanthemums, the outlook is as yet indefinite. The general impression seems to be that there is no more stock being grown for the market than was grown last year, so that if prices should run lower than heretofore it will be from causes other than excessive over-production.

Geo. M. Stumpp, who has returned from a European trip, expresses much surprise at the poor taste displayed in floral work and store decorations by the French and German florists. He says that in Paris, where he expected to see much to admire in arrangement and nice combinations of color, the quality of the work was far inferior to that turned out by the best New York florists, and the same was true of those portions of Germany which he visited. He found no nice inviting store interiors, all the attempt at decorative display being in the windows, which are filled up with cheap arrangements and baskets having the flowers all facing to one side. The interiors were small, dingy and crowded up with artificial bouquets, etc. There were no ice-boxes, and all the facilities were of the most ordinary description. Funeral work he found to be confined almost exclusively to wreaths, many of them of enormous size, composed

of flowers in all colors, red, white, yellow, blue, etc., all mixed together. Instead of the wire frames and moss used here a frame made of straw twisted and tied together is the basis for the wreath, on these ferns are wound, and it is then ready for the flowers, which are usually wired. The process of wiring is peculiarly clumsy, a light wire being attached to each bloom and then tied to a strong, pointed wire by a strand of thread. A ground work of purple asters is often made by the use of slender wire nails, which are driven through the center of each flower and into the frame. Large quantities of ribbon are used in the work. The making up is done almost exclusively by women. Many more plants are used about the hotels and public buildings than is the case in this country. Of palms but few good specimens were seen, and these mainly latania and phoenix. He noticed some well bloomed asters, chrysanthemums and hydrangeas in pots, and some fine roses, mostly Rothschild and Neyron, but no good flowers of the tea varieties, and carnations were scarce and of poor quality. Few flowers were worn on the street by the ladies, but boutonnières were much more generally worn by gentlemen than in this country; these were the regulation cluster of four or five white carnations tightly wired together.

Jas. Purdy has taken Mr. Ira J. Blauvelt as a partner in the cut flower commission business, and the style of the firm will hereafter be Purdy & Blauvelt.

L. M. Noe has been appointed manager of the Cut Flower Company.

#### San Francisco.

The chrysanthemum time is now fairly on and as usual every other flower is put in the shade for the time being. The best 'mums coming in now are Mrs. E. G. Hill, Major Bonnaillon and the King. Some of the smaller sorts are a drag on the market already. The shipping trade is booming now and the wholesalers are being kept busy. The California violets have made their appearance and are selling very well at \$2.50 per dozen bunches. All varieties of carnations are scarce and have advanced in price accordingly. There are plenty of poor roses coming in and few good ones. Beauties are very scarce and will be for some time. A few Belle Siebrecht are seen and all the florists predict a fine future for this variety. The Chinese growers are sending in plenty of cheap 'mums and the overstock of these severely hurt the legitimate growers.

Mr. James B. Kidd, who for the last four years has been at the head of the seed department of the Sunset Seed and Plant Co., has severed his connection with that firm and at present is undecided as to what he will do, but says it is very probable that he will return to the east.

Mrs. H. H. Berger and daughter have departed on a business trip to the east to be gone some months.

Mr. Chas. McKeller, representing E. H. Hunt of Chicago, is in town looking after the interests of that firm.

Domonic & Co. of Sutter street have bought out A. Hilbert on Kearney street. Domonic & Co. formerly owned this store but sold out to Mr. Hilbert several months ago.

Frank Pelicano & Co.'s store presents a very fine sight at present with their fine display of bulbs on one side and very good assortment of the finest flowers on the other.

Mr. E. Jaeger has opened up a new store on Sutter street a few doors above Domonic & Co.'s store.

Mr. John H. Sievers' chrysanthemum houses are as usual at this time of the year very interesting. Some of the flowers one sees there indicate that Mr. Sievers' presence at the chrysanthemum show will be felt to a great extent.

METEOR.

#### Baltimore.

Little by little the stores begin to take on their appearance of autumn activity, and though no one seems disposed to brag, yet evidences are not wanting of the opening of a season of brisk demand for cut flowers. For a few days last week, in fact, there was a very decided shortage of roses and all offered were promptly bought up, and more would have been taken had they been in the market. Smilax is also limited in supply. Prices remain much the same and will no doubt do so until a killing frost.

The rose houses erected this summer by Madsen & Anderson are worth a careful inspection by any one contemplating building, for they are complete specimens of up-to-date houses, butted glass, clipper sash bars, etc. Their roses are looking remarkably well too, and what is more to the point, are making fine buds.

All hands are looking hopefully towards the coming chrysanthemum show. It will be held November 4 to 9 inclusive in the Music Hall, and bids fair to be a large and successful show. Mr. J. G. Rodgers, 117 Park avenue, is secretary.

Looking through a small greenhouse last week, about fifty by eighteen feet, consisting of one tall house, twenty-five feet long, with a lower one of the same length running north from the center of it, making a T shape, and commenting on the number of plants it contained, the writer was informed by the superintendent of the park in which it was situated, that last spring he had planted out of that one house sixty thousand bedding plants, geraniums, coleus, alternantheas, etc. This, considering the fact that the center bench in the tall house was closely packed with tall palms and rubbers, and the center bench in the low house was half occupied by La France roses, seems to take first place for productiveness. And the bedding looked fine from the time it was planted out too. MACK.

#### Providence, R. I.

This section of the country has been suffering badly for want of rain. The dry spell has been unusually severe and outdoor vegetation generally shows its effects.

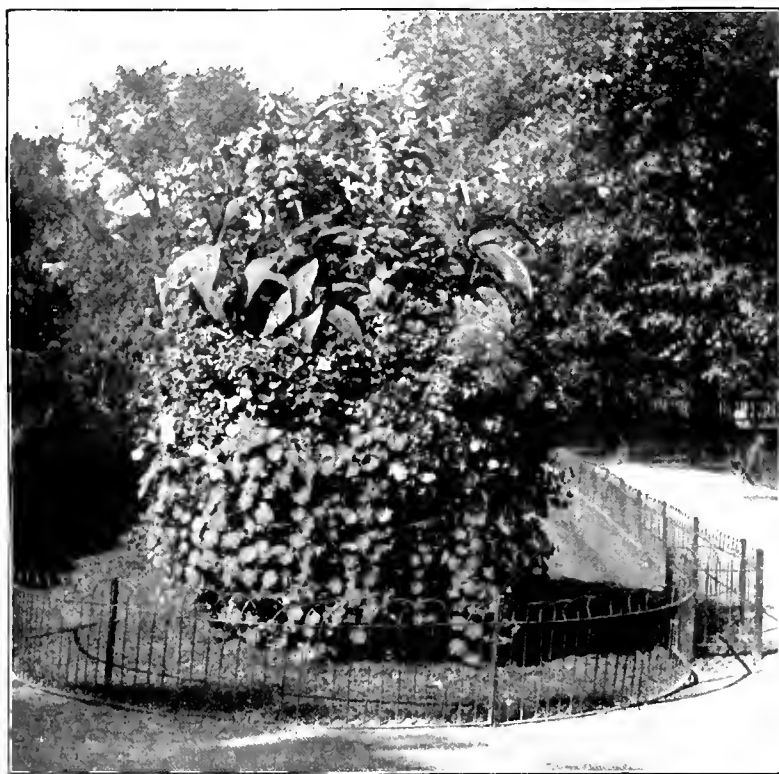
T. O'Connor has built another carnation house and is still short of room. Every corner of his extensive establishment is full to overflowing with stock. Finer carnations it would be hard to find, and of *Nephrolepis exaltata* he has an immense quantity, no more, however, of this most salable of all ferns than the market will quickly take up.

Wm. Appleton Jr., at the old Robt. Hogg place on Broadway, reports business highly satisfactory for the season. Mr. Appleton, it might be noted in passing, is never too busy to extend a most thoughtful courtesy to those of the craft who may visit him. "Long may he wave."

The nurseries at Swan Point Cemetery are increasing rapidly in extent, and will to all appearances soon rival those of some of the more pretentious commercial establishments. The stock consists of ornamental shrubbery and hardy perennials mainly, and all the new introductions are given a thorough trial.



STANDARD FUCHSIAS IN REGENT'S PARK, LONDON.

AN EIGHT FOOT VASE IN REGENT'S PARK, LONDON.  
THROUGH AMERICAN EYES.

## Rochester, N. Y.

All our retailers appeared to be rather busy for the past week, dinner and wedding decorations predominating, and the scarcity of first-class roses was felt by every one. The quality of the roses shipped to this place would be all right if the consigners were not rather careless in packing, for on arrival nearly all of them are badly bruised and will not bring the price of first-class goods. A little more care in packing would repay all consigners, and they should keep in mind the fact that flowers of all descriptions should be handled with the greatest care from the time they are picked until they are laid out on the counters in the commission house. Carnations are small as yet, but improving in size lately. Violets are com-

ing in but are not of the silver dollar size, even the much talked of "California" does not even cover a ten cent piece, although we hope for improvement in this as well as in the other kinds. The violet plants of all varieties are in fine condition and as the weather has now turned considerably cooler, we may expect larger flowers from now on. Last week we had several sharp frosts in this vicinity, and all tender plants had to be housed, very little remaining outside.

A number of our florists visited the Fairport plant of Salter Bros. lately, and found the large new houses all planted. Carnations in variety and violets are the main stock relied on, and they are in excellent condition, promising to produce an abundance of bloom in the near future.

All stock looks thrifty and shows good care and management. In their old place at Park avenue, roses and miscellaneous stuff is grown, and as usual their roses are looking fine and healthy; many of them are now allowed to bloom, while others are pinched back yet for later flowering. Chrysanthemums are grown in large quantities and promise well, some of the early varieties showing color, and will be in market a week or ten days from now.

Another delegation of florists accepted the invitation of Vick & Hill to inspect their place at Barnard's Crossing, near here. All their houses are new and carnations and roses are grown for this market. Their carnations are in first-class condition, plants being exceptionally large and strong. Roses are looking well and are growing fast; a good supply may be looked for shortly. The new hardy rose White Rambler is still growing luxuriantly, and will be propagated for all it is worth. In a former notice in these columns it was erroneously stated that the White Rambler was a sport from polyantha Paquerette, a small flowered variety, blooming in clusters. The parent plant, as Mr. Vick informs me now, is White Pet, a much better and larger flower, and as everybody knows also bearing larger clusters, thus adding to the value of the freely blooming new arrival, and as growth is produced very abundantly we may not have to wait so very long for the introduction of this fine novelty, superior, it is claimed, in many respects to the much admired Crimson Rambler. Chrysanthemums are also grown and promise well, developing buds of immense size, and the foliage is stiff and healthy. Everybody in this neighborhood seems to grow 'mums this year, and we shall have more than enough to supply the demand unless the reduction in the price of these flowers should create an increased fancy for them, otherwise the best only will bring a fair price, while the poorer grades will go begging.

J. B. K.

## Toronto.

At a meeting of the executive committee of the G. & F. Association all arrangements were settled (subject to the approval of the association next meeting) for the coming chrysanthemum show. Nearly every member of the committee was present, and the proceedings were most enthusiastic. It was regretted that the date should have to be so late (19th of November), but all agreed that Thanksgiving Day must be one of the days of the show, and after all, as to weather, we are just as likely to have it mild during the third week in November as the first. Still, it is a pity. Mr. Ewing was recommended for superintendent, Mr. C. Tidy to do the decorations, Mr. W. Muston to engage salesladies and keep the booth supplied with flowers. Committees were appointed for advertising and music. Admission will be as usual, 25 cents adults, 15 cents children. The Lieut. Governor of the province will be asked to open the show, and a goodly number of invitations will be issued for the opening afternoon to the elite of the city. That fine old friend of the association, Capt. McMaster, reported that the list of donations would fully equal, if not exceed, that of last year.

Mr. H. Dale of Brampton is already sending in chrysanthemums, pink, white and yellow, good ones too—a sure reminder that the summer is gone and autumn is here. I hear that Mr. Dale has



gone into chrysanthemums extensively this year, and no doubt we shall see some good ones from him. Mr. Dale made his first cut on September 26 from Vice-president Hardy, Marquis de Montmort and Mme. Mathilde Cassagneau.

Wm. Rennie reports the bulb mail trade very good this year, local trade dull. The cut flower trade is slowly picking up; florists' stores begin to look like business again now. E.

Pittsfield, Mass.

The Berkshire County Gardeners' and Florists' Club will lose a warm member in the person of Mr. A. P. Meredith of Meadow Farm, Pittsfield, who will leave here the 15th of this month. By all who have had the privilege of his acquaintance he will be, indeed, a missed man; and to those of closer friendship the loss of him will be irreparable—no one can ever possibly fill the peculiar place which he holds in the hearts of those who know him intimately.

About forty members of the above club and Lenox Horticultural Society gave expression to their feelings of good will toward Mr. and Mrs. Meredith by giving them a rousing good send-off in the form of a surprise party on Monday evening last. The boys met at the farm, where the teams were hitched, and then went en masse to Mr. M.'s house. It was a scene that made him feel good; at least he looked happy as he grasped each one's hand in passing through the door. After getting fairly settled Mr. Finaghty of Lenox made a few suitable remarks on behalf of the boys, and presented Mr. Meredith with a substantial purse, to which he replied in a few touching words expressing his thanks for their hearty good will and his regret that he should have to leave his many friends in Berkshire.

The ceremonies being over refreshments were passed, and the evening sped swiftly and pleasantly away until lost in the morning, with music, singing and recitations, and a few lady friends being present, a little dancing was indulged in. Everyone enjoyed themselves thoroughly, and the jollification will long be remembered by those who participated in it.

P.

St. Louis.

We are pleased to note a general improvement in trade all along the line. There is a good demand for all roses, but more especially for Beauties and Meteors, Kaiserin is another good seller. Carnations are in strong demand and some first-class blooms are being offered. Violets are coming in better and are sold clean every day. Chrysanthemums have not shown themselves yet, but in a week or so the market will be overstocked with southern 'mums. The prices are going up on good stock, Beauties bring 12 and 15, Kaiserins, Meteors, Bridesmaids and Test-outs 4 and 5. Carnations, fancy, bring \$1.25, others \$1; violets 20 cents per hundred.

The expected increase in trade on the day of the "Veiled Prophet's" ball was about the same as last year, most of the florists reporting an increase, Beauties being easily first choice, with Kaiserins and Meteors second. Some very fine bouquets of Perles were seen. The decorations were arranged by the Jordau Floral Co.

Henry Nelson, the keeper of the Forest Park "Zoo," was gored to death by an infuriated elk Sunday afternoon. The elk that caused Nelson's death was

brought to this city from Chicago about six years ago.

The South Side Merchants Association ordered two large floral stars six feet high on easels last week, which were presented to Manager Gaennir of the exposition. One was made by the Reissen Floral Co. and the other by Miss C. E. McCormick, both South Broadway florists.

The Bowling Club on Monday night, October 7, rolled three games, the Chinese beat the Japs this time 2808 to 2717. Harry Young rolled the highest single game, 243, with C. Beyer second with 235. Here are the scores of the games rolled:

JAPS.				
	1	2	3	TOTAL
C. A. Kuehn . . . . .	163	138	213	514
J. Young . . . . .	142	145	133	420
C. C. Saunders . . . . .	143	126	145	414
J. J. Beneke . . . . .	213	191	156	560
F. Fillmore . . . . .	124	130	97	351
A. Waldbart . . . . .	137	131	190	458
Totals . . . . .	922	861	934	2717
CHINESE.				
	1	2	3	TOTAL
E. Schray . . . . .	186	162	185	533
F. Weber . . . . .	148	131	139	418
C. Beyer . . . . .	235	160	162	557
H. Young . . . . .	243	191	147	581
Tom Peterson . . . . .	107	124	118	349
D. Helwig . . . . .		179	184	363
Totals . . . . .	917	947	933	2808

J. J. B.

Boston.

Fall trade starts very slowly. The trees are gorgeous with color, gardens are still filled with flowers, and so long as Jack Frost and the dreary autumnal rains hold off there is little incentive to buy flowers, excepting in the case of a funeral or a wedding. Of the latter there are more than the usual number in prospect for this month; a fact which may fairly be interpreted as indicating the coming of better times. Another good sign of returning confidence was shown in the prices paid at the auction sale of plants from W. K. Harris. Undoubtedly the reputation of this grower's stock had much to do with the result, but it was noticeable that the buying was almost exclusively by parties in the trade, of whom there was a fuller representation than has been seen at a similar sale for a number of years. The windows of the florists' stores are taking on a more attractive appearance as the quality and varieties of flowers in the market increases. Roses are generally good; carnations both good and abundant; and chrysanthemums and violets are seen in limited quantities, the latter in rather poor shape as yet, however.

The annual free Fruit and Vegetable Show of the Massachusetts Horticultural Society was fully up to the average in most lines excepting apples, which are a short crop in this section this year. The exhibit of tomatoes and celery was especially fine; pears were as usual a prominent feature, and the specimens of Seckel shown have probably never been equaled here or elsewhere. Jas. Comley showed an interesting collection of Japanese fruit, including a novelty, Actinidia polygama, a deep green colored fruit, as large as a medium sized grape, very sweet and pleasant to the taste. A delegation of students from the Agricultural College at Amherst, under the guidance of Prof. Maynard, visited the exhibition. The annual election of the Society was held on Saturday, October 5th, and Mr. Francis H. Appleton was elected president.

The Boston Flower Growers' Co-operative Association held its annual meeting and election on the evening of Saturday, October 5. The officers of the preceding year were re-elected, excepting that Wm.

Edgar and Peter Fisher were substituted for D. Zirngiebel and Henry Cartwright. A dividend of 20 per cent was declared, and a comfortable sum in addition turned over to the surplus account.

In town: Robt. McLeod and M. Butler of Newport, R. I., Mrs. A. C. Mather, Rockland, Me., and Paul Berkowitz, of Philadelphia, the latter carried away a big book full of orders for florists' supplies.

Arthur Newman, "every inch a soldier" has gone to Richmond with the Ancient & Honorable Artillery Co.

W. H. Long has taken a position in the store of L. J. & W. J. Doogue.

Mr. John Fottler Jr.'s only daughter, aged 16, is seriously ill with typhoid fever.

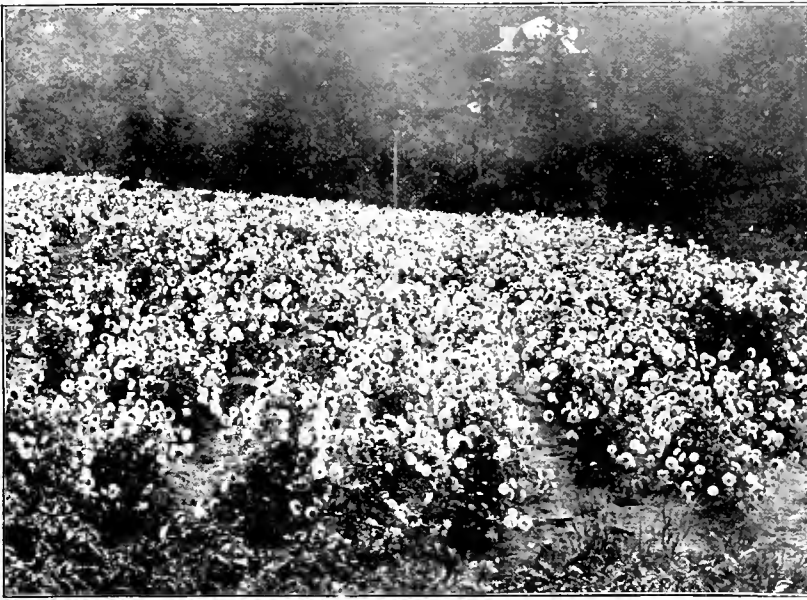
Philadelphia.

The members of the Gun Club who took part in the recent social shoot with the Buffalo florists' club returned home Sunday last. They report having had a royal time. The party consisted of Mr. and Mrs. John Burton, Mr. and Mrs. George Anderson, Mr. and Mrs. A. B. Cartledge, Chas. D. Ball, Lemuel Ball, George Craig and William K. Harris. Other ladies were to have been with the party, but were detained on account of sickness. They were warmly received by the Buffalo club, and everything was done to make their visit a pleasant one. Mr. Chas. Ball, who won a fine pipe by making the best score in the free for all shoot after the match, is quite proud of his trophy, and will no doubt enjoy many a quiet smoke the coming winter. Niagara Falls were visited and a day spent inspecting this wonder of nature.

The Gun Club look forward with a great deal of pleasure to the coming of the Buffalo boys for a return shoot at the time of the chrysanthemum show. The contest will take place on the club grounds at Wissinoming, commencing about 10 a. m. The events for which there will be first and second prizes are as follows: First, 15 targets, open to all florists, no handicap; second, 10 targets, handicap. A recess will then be taken for luncheon. The team shoot will then follow between Philadelphia, Buffalo and any other city that may wish to enter. Fourth, 15 targets, handicap; fifth, 10 targets, handicap; sixth, 5 pairs of double targets, open, no handicap; seventh, 15 targets, consolation, only open to those who have failed to win a prize in any of the other events. There will be an entrance fee of 25 cents to all the individual shoots to cover cost of birds to club. Cartridges will be for sale on the grounds, but anyone expecting to compete will have to bring his own gun. Should the weather be clear the Philadelphia contingent will be out in force to welcome the visitors, and no doubt some fine scores will be made.

Business is steadily improving, and there is quite a demand for good stock. Roses are getting better, the colors being richer, and the stems seem a trifle longer. Beauties are a shade finer, but the long stemmed variety has failed as yet to put in an appearance. Quite a few of the latter strayed in from New York that were quite a revelation, but it takes colder weather or something else to stimulate their growth about here.

Prices remain the same as last week. Carnations are improving and some of the varieties will soon be in first-class shape. Cosmos has made its appearance but will not cut much figure this fall, the dry weather being too much for it.



PARTIAL VIEW OF MR. JAMES SEMPLE'S FIELD OF ASTERS, BELLEVUE, PA.

The first 'mums are in. D. Connor of Lansdowne brought Mme. Bergman, white, and Jos. Heacock some Mme. Davis, an early pink, last Monday. Their being the first was their only merit, however, as they would not sell at all in two weeks from now.

Lemuel Ball at Wissinoming contemplates making an addition to his place that will about double its capacity. He says that he has not the room to have different sizes of stock coming on and is unable to grow the grades he would like, as his young stock is all bought up every season and he has none left over to pot on. He hopes his new houses will give him room however, to set aside sufficient for next year's work. K.

#### Cleveland.

It was reported here upon very good authority last week that the Gordon Greenhouses had changed hands. The rumor had it that Williams & Wilson had bought the establishment, plants, greenhouses and everything appertaining thereto except the land for the sum of fifteen hundred dollars, upon the condition that the entire plant was to be removed from the present location by next spring. Some of the creditors, however, at the last moment entered a most energetic and effectual kick, and the deal was immediately off. A proposition to settle all claims on a basis of ten cents on the dollar was the basis of their objection. On October 5 another attempt was made with better success, the place going to James Eadie for seventeen hundred dollars and a monthly rental of forty dollars till such time as the houses are torn down and the place vacated. It is the intention of Mr. Eadie to dismantle the establishment and remove it to his other location as rapidly as the present condition of the stock will allow. The general feeling here is that the change will be of benefit to the trade at large by removing one of the competitors from a field already too fully occupied, more especially as it removes an element of unequal competition. Pending the removal of the buildings Mr. William Keller, formerly of Indianapolis, has taken charge of the establishment and will run it in the interest of Mr. Eadie.

At the meeting of the Florists' Club, held October 8, a proposition to hold a chrysanthemum show was discussed. While it is late in the season to attempt such an enterprise, still there is a feeling that with the number of establishments to draw from that we possess we should be able to offer a very fair example of that form of an exhibition. After some discussion pro and con a committee was appointed to look up a hall and report. A committee on program has also been appointed to make arrangements for future meetings in the matter of essays and other affairs pertaining to the general welfare, instruction and entertainment of club members.

Business the past week has been very ordinary, not very much going on and no very great supply of flowers. There have been a very few chrysanthemums visible in some of the store windows during the last two or three days. Flowers will not likely be in very good supply until the 'mums come in more plentifully.

Mr. Rolker of A. Rolker & Son, Pitcher & Manda's representative and Mr. Simmons of Geneva, O., have been in town during the past week. Mr. Simmons is as enthusiastic as ever upon the subject of new carnations, and talks as entertainingly as ever concerning them. His "Rosy Queen" looks very well in this vicinity, and he has several new ones that, if they continue to hold up to their present promise, will prove valuable acquisitions. A.

#### Pittsburg.

The regular meeting of the Florists' Club October 8 was very interesting and well attended, the name of a new candidate for membership was handed in, to be acted on next meeting. A very interesting discussion on stem rot in carnations took place, participated in by Messrs. T. F. Beckert, Bader, Randolph, Bennett, Oesterle and others, Mr. Beckert furnishing a plant for inspection. He said the blight attacked his plants after they became well established in their permanent winter quarters, and was more noticeable in the center of the house than at the ends, where there was a better circulation of air. Mr. Beckert thought

that it might have been caused by a force of circumstances, a little too much heat and water, and as the roots were in perfect condition it hardly seems possible it is a disease. Mr. Randolph thought it was caused by getting too much manure around the stem, and this view was concurred in by Oesterle and Bader. Mr. Bennett took the view that possibly it was caused by the stem of the plant being bruised or the plant being wilted before planting in the bed, or excess of water and heat causing the stem to rot. The subject for discussion at next meeting is to be rust on the chrysanthemum. Messrs. McClements and Theo. F. Beckert were appointed a committee to arrange a program of exercises, etc., so as to awaken and secure a greater interest in the meetings of the club hereafter.

A visit to the grounds of Mr. James Semple of Bellevue, Pa., who is well known as the aster specialist, when the asters are in bloom will well repay anyone. To see over two acres in bloom with the strain he produces such very large and perfect flowers is a remarkably grand and beautiful sight. This year he has a new type of aster, pink in color, which he is testing, but which will not be given to the public for two years, for he will not permit any seed to go on the market that he has not thoroughly tested. He will endeavor to make a new "break" next year; the plants are selected and I need scarcely say are jealously guarded. His chrysanthemums are also looking very well, of his seedlings there is a white one named Bellevue Belle, produced from Mrs. L. C. Madeira and Ada Spaulding, of which Mr. Bennett says, "If it shows as well this year as it did last it is one of the best of its type." He also has another one called Avalon Beauty, which is very fine, and will give the former one a close push for supremacy.

W. F. Lauch, one of the younger florists, has just finished a new carnation house at his place, Carrick, about three miles south of the city; it is 210x20, it is well filled now and they as well as all the stock in the other five houses are looking first-class.

All report business still on the improvement. 'Mums are in market first time this week and give promise of being fully up in quality to any former season. Randolph & McClements say last week was the best for business the East End has had yet.

James Dell, who has started in at the old Murdoch stand on Smithfield street, is brightening everything up about the establishment, and is getting his share of the trade. Another new venture will be under way about the first of next month, Mr. Henry Scherrer, formerly of New York and recently with A. M. & J. B. Murdoch and Mr. Hippard of Youngstown, Ohio, will open a flower store on Fifth avenue, between Market and Wood streets. This will make three cut flower establishments in that square, and the outlook now is good for all. REGIA.

#### Kansas City, Mo.

The first "Floral parade" seen in Kansas City took place October 1, and was witnessed by thousands of people from all the surrounding country. In fact all the railroads (and we have an excellent supply) were taxed to their utmost to handle the immense crowds that came to witness the "Fall festivities." The first attempt at a flower parade was an excellent one. The brilliantly decked carriages and horses, containing the most refined and beautiful ladies of the city, some wearing carnations and others carrying in their



arms immense bunches of American Beauties, made a most brilliant spectacle. Some were decorated with asters, others with poppies, golden rod, American Beauties and Kansas sunflowers. All of the above in artificial, with quantities of outside asparagus, were used in profusion. The ladies in the carriage decked with American Beauties carried immense bunches of the genuine rose in their arms. There were two carriages done in natural flowers, one horse and buggy being done with white carnations and American Beauty roses.

But the cream of all, a splendid carriage drawn by four superb white horses, and which received the blue ribbon, was done in pink and white carnations, Wm. Scott being the variety used. Nearly 8,000 were required to do the job. They were from Kennicott of Chicago and were first-class blooms. Arthur Newell was the artist, and he did his work well. In fact he is the proudest man in Kansas City to-day, having his boys all over the city buying up the newspapers containing a cut of the carriage, until he had both his store windows covered with the cut and in large letters underneath, "First Prize, A. Newell, Artist." The price was one of the best obtained in the past five years for one job. Arthur has treated royally those who called to congratulate him, "mums" being the word.

In the evening the annual Priests of Pallas parade took place and was the best ever seen in this city, Pallas Athene leading, followed by some twenty gorgeous floats.

October 2 occurred the grand Bicycle Parade. In the evening the Priests of Pallas' Ball, which latter event generally starts the florists from slumber into activity. All the retail stores report good business on that occasion, Beauties being most in demand.

October 3 occurred the grand parade of the Carnival Krewe, and in the evening everyone had a tin horn and seemed to have gone clean crazy.

Business the past week has been first-class, but good stock has been very scarce. In town: Mr. Krupp of New York, who came to witness the Flower Parade and visit his friends.

A. Barbe has just completed a new chrysanthemum house and a very artistic show house. Paul Ducret is also building a very fine show house. The owners of Fairmount Park are erecting a range of glass, so as to produce their stock for the park; also a cottage for their florist, the genial and hospitable Mr. Miller.

George M. Kellogg was in town looking after orders for the floral parade. He is building a carnation house 23x125. James Hayes was in town buying up all the cut flowers in sight, having \$300 worth of funeral orders for the funeral of Mr. Wilson, one of the Santa Fe receivers. Mr. Hayes had charge of all the floral work at the house and at the grave. It was the finest and largest display of floral work ever seen at Topeka. S. M.

#### Chicago.

The regular quarterly meeting of the Horticultural Society of Chicago will be held to-day (12th inst.) at the Sherman House. A meeting of the executive committee was held last Thursday, at which final details regarding the coming exhibition were arranged.

Rain again last Sunday, and weather even more disagreeable than the date first selected, settled the drainage canal excursion of the Florist Club, and the project has been abandoned. At the meeting of the club last Thursday night the

program was strictly informal but very enjoyable. At the next meeting (October 24) occurs the annual election of officers.

Trade has opened up very well this week and prices show an advance. Shipping trade is excellent and the local demand good. Flowers are not plentiful; in fact there is a very marked scarcity in white stuff. First quality Brides and Kaiserin are held at \$4, and the quantity does not meet the demand; the same price holds on good Meteors, of which some very fine blooms are seen. Beauties run from \$1 to \$2.50 a dozen. White carnations are extra scarce, and are held at \$1.25 to \$1.50 for good stock, other sorts at \$1. Some very fine carnations are seen, fancy Daybreak and Scott being extra good, and Tidal Wave shows good flowers, though a little short yet.

Violets are not yet quoted; some single ones from eastern points have been promised, but local crops received a severe setback during the hot spell in September, the buds then forming being blasted, so where they do mature the flower is too gnarled and imperfect to be of any use. One day this week a local retailer was offering almost unheard-of prices for violets to supply an imperative order, but found it an impossibility. There is at the present time literally nothing in the market but roses and carnations.

As for chrysanthemums, they make their debut very slowly. This week Mrs. E. G. Hill arrived, a limited number of splendid blooms from W. N. Rudd, who has the market pretty well to himself. W. C. Cook cut some few early whites this week, the only chrysanthemums of that color in this market as yet. Considering the serious scarcity of white stock one is almost inclined to regret the absence of southern chrysanthemums, which have heretofore been so plentiful. We are told that these flowers have been very seriously retarded this year by the drouth, so if they come at all it will be at a time when we don't want them.

Recent visitors: F. J. King and wife, Ottawa, Ill.; Wm. Smith, Sioux City, Ia.; W. A. Harkett, Dubuque, Ia.; J. Bancroft Jr., Cedar Falls, Ia.; W. R. Ferriss, Joliet, Ill.

#### Denver.

Retail trade is on the mend, but, alas, slowly.

First 'mums of the season cut by Mr. Chas. Adams September 30, variety Marquis de Montmart. Next and a very close second by Mr. Beach of the Park Floral Co., variety Whildin, date October 1.

The outlook for fine chrysanthemums was never finer, a very marked improvement in foliage is noticeable at all points, and in size, color and finish the crop in general will be far in advance of former seasons. Pot plants will be scarcer and better grown, nearly all of our growers having confined themselves to 6-inch stuff.

The committee of arrangements for our next chrysanthemum show are actively at work and are rapidly getting in shape to "boom" the show in proper shape. This season's show will probably be held on 16th street in the most desirable location imaginable, and with the fine display of extra good stuff and the liberal advertising which will be given this show there seems to be no room for doubt that it will be a great success financially and floriculturally. GIVEN.

WE ARE PLEASED to be able to announce that Mr. Fred Dörner will now take charge of our column of carnation notes and will contribute weekly.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—By competent rose grower; thoroughly reliable in every way. Apply to ANCHORAGE ROSE CO., Anchorage, Ky.

**SITUATION WANTED**—By commercial greenhouse man; 10 years' experience; single; good references. FRANCIS 155 Harrison Ave., Boston, Mass.

**SITUATION WANTED**—By competent florist, age 25, single. Best of references. Address FLORIST, care The Royal, 318 State St., Chicago.

**SITUATION WANTED**—By a young man with some experience; competent to handle hose, etc. Good references. State wages. Address JOHN STREMLER, Borello, Mich.

**SITUATION WANTED**—By 1st of November. A good florist in roses, ferns carnations and mums. Single; 16 years' experience. Good references. S, care American Florist, Chicago.

**SITUATION WANTED**—By a first-class all round man, as for man to commercial place; single; strictly sober. Good references. Address MAXSFELD, 13 S. Pond St., Newburyport, Mass.

**SITUATION WANTED**—As manager or foreman; 24 years' experience in growing roses, carnations, violets, decorative plants, etc.; forcing of all kinds of bulbs. Single. Good references. Address FLORIST, 1623 Chestnut St., St. Louis, Mo.

**SITUATION WANTED**—As managing or working florist, on private or commercial place. Understands growing all kinds of bedding stuff and cut flowers; also design work. References. Address C. B., care W. F. Will, 312 Linden St., Scranton, Pa.

**SITUATION WANTED**—By a German; single; thoroughly competent in growing roses and hybrid roses, carnations, chrysanthemums, and in forcing bulbs. Good references. State wages. Only steady place need apply. Address FLORIST, care Chas. Schwake's Seed Store, 401 E. 3rd St., New York City.

**WANTED**—Agents to sell Child's Rulmaker nozzle. M. M. JONES, Gen'l Agent, 612 1/2 Oglesby Ave., Chicago.

**WANTED**—A florist. Give references; state experience, and wages wanted. I. L. PILLSBURY, Galesburg, Ill.

**WANTED**—Good make-up as salesman or sales-lady in retail store. Good references required. Address WILSON, care American Florist.

**FOR SALE**—Old established florist business in good condition, 5000 ft. glass 10 acres land, well stocked with roses, carnations, violets, and general stock, in western New York. For particulars, address MRS. F. WELLS, Batavia, N. Y.

**WANTED**—A good, steady, honest rose grower, to take charge of a set of tea rose houses; one who has experience. State wages expected. Place open at once. Address NAXZ & NEUTNER, 582 Fourth Ave., Louisville, Ky.

**WANTED**—Experienced florist and gardener, to take working charge of small commercial place; four thousand feet of glass, and garden, in fruit, all kinds bedding stuff, cut flowers and vegetables. Must be good design and cut flower worker, and sober. Wages \$50.00 per month. State experience in full, and references. Address X Y Z, care Am. Florist.

**FOR SALE, RENT OR SHARES**—Greenhouses and celery garden, good business; a bargain. W. J. OLDS, Union City, Pa.

**TO EXCHANGE**—300 double wall flowers, from 5 in. pots for pelargoniums. MORRIS FLORAL CO., Morris, Ill.

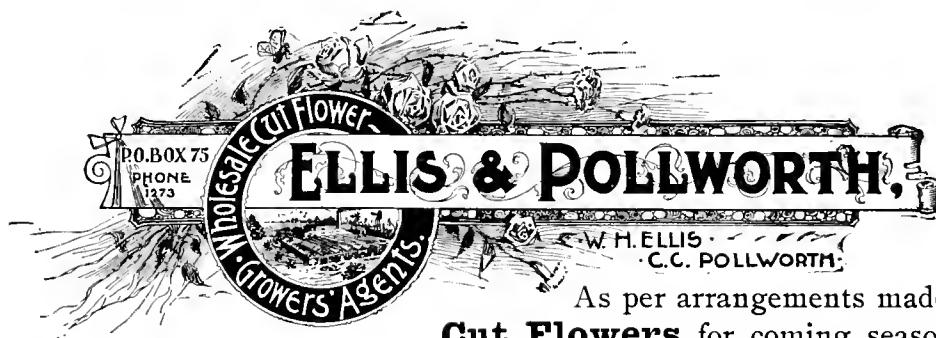
**FOR SALE**—Florist business covering about 5,000 feet of glass; houses filled with good, thrifty plants. Good location. Good business in cut flowers and designs. Address F. W. WRANPELMEIER, Louisville, Ky.

**FOR SALE CHEAP**—Seven acres of very rich level garden soil in Washington, within half mile of three R. R. depots, 12 miles north of Tacoma; new nine room house, cost \$2,000, well furnished, \$250 organ, horse, cow, etc., barn, woodshed, plenty of water, no snow. Best position for florist and nurseryman. Particulars. G. M. STRATTON, 2715 Golden Gate Ave., San Francisco, Cal.

**FOR RENT**—Eleven greenhouses. This will be a chance for a young man to take a hold of business. He can make a start with a small capital. This place will bring from \$1,000 to \$5,000 a year clear. There is already one man in the business and he wants a partner. This is an old established place. I have resigned on account of my health. Address HENRY MOORE, 422 Main St., Memphis, Tenn.

**FOR SALE**—Greenhouse in town of 2000 inhabitants in one of the best counties in Missouri. No other greenhouse in county. Good trade worked up. Have never been able to supply demand for early vegetable plants and lettuce. House with brick walls, 1350 feet glass; potting shed 15x20, shingle roof; plastered sleeping room. House well fixed with general stock. Price \$750, easy terms. A snap. Reason for selling other business. Address R. B. PRESTON, Mound City, Holt Co., Mo.

**\$350 WILL BUY A FLORIST BUSINESS** in town of 8000; no saloons; near N. Y. City. A rare chance for a smart young man. Excellent reasons for selling. Call, or address E. R. WOODRUFF, 11 Park Ave., Rutherford, N. J.



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As per arrangements made with growers our supply of  
**Cut Flowers** for coming season will be,  
 In **QUALITY** of stock **SUPERIOR TO** any, in **QUANTITY DOUBLE**  
**THAT** of **LAST SEASON**.

In Shipping, **DISTANCE CUTS NO FIGURE. WE KNOW**  
**HOW TO PACK.**

**XMAS HOLLY.** Having just closed a contract with a large  
 Delaware nursery for our supply of **fine**  
**grade Holly** we are now prepared to book orders for delivery at any time in  
 December. Write us for prices, stating number of cases wanted.

**Remember we handle none but the BEST**

**BOUQUET GREEN, GREEN WREATHING, MISTLETOE.**

LET US BOOK YOUR ORDERS NOW.

**ELLIS & POLLWORTH, Box 75, Milwaukee, Wis.**

## GERANIUMS.

**50,000** strong unrooted cuttings of the finest new and  
 standard sorts, now ready, at \$1.00 per  
 100; \$4 per 500; \$7.50 per 1000, of the following varieties:

**DOUBLE GEN. GRANT**, double scarlet. Bruant.  
**ALFRED TENNYSON**, double scarlet. Bruant.  
**W. P. SIMMONS**, double dark scarlet.  
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**E. LEGUERE**, double salmon. Bruant.  
**LA FAVORITE**, double pure white.  
**MME. C. DABOUCHE**, double flesh pink.  
**MRS. J. M. GAAR**, single snow white; best white bedder.  
**MADONNA**, single flesh pink, Mirande type.  
**W. S. GUNN**, single scarlet pink, Mirande type.  
**MRS. E. G. HILL**, single salmon pink.  
**REV. HARRIS**, single scarlet.  
**AUORE BOREALE**, single scarlet, large flower.

**WE WILL SHIP YOU 1000 GERANIUM CUTTINGS**, well-rooted, in 30 varieties containing all of the above sorts, for \$15.00.  
 All Geranium Cuttings are terminal shoots, and we pay particular attention to sending out clean, vigorous stock.

**100,000** strong Rooted Cuttings, now in sand; delivery  
 soon as thoroughly rooted, at \$2.00 per 100;  
 \$7.50 per 500; \$15.00 per 1000, of the following varieties:

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The following NEW VARIETIES at \$2.50 per 100; \$10.00  
 per 500; \$20.00 per 1000.

BEATRICE KELWAY, double white; JAMES KEL-  
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C. W. WARD, MANAGER.

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At Wholesale. New Trade Lists now ready.  
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## Cut Smilax

15 CENTS PER STRING.

THE NATIONAL PLANT CO.

CASH. DAYTON, OHIO.

PLEASE mention the AMERICAN FLORIST  
 every time you write to an advertiser.

## Mushroom Spawn.

October Importation from our English  
 maker, due in Chicago October 9th.

10 lbs. for \$1.00; 100 lbs. \$8.00.

W. W. BARNARD & CO.,

186 East Kinzie Street, CHICAGO.

## Pandanus Veitchii

WE HAVE SOME EXTRA FINE PLANTS  
 TO OFFER AS FOLLOWS:

5-inch pots.....\$1.00 each  
 6-inch pots.....2.00 each  
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F. DORNER & SON,

CASH WITH ORDER. La Fayette, Ind.

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5000 SELAGINELLA EMILIANA,

2-inch pots, ready for use or shift. Best plant  
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DRACAENA INDIVISA, fine plants for grow- Per 100  
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PANSY PLANTS, fine, stocky, per 1000 \$4.00......50

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26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure  
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

**Coming Exhibitions.**

NEWPORT, R. I., Oct. 30-Nov. 1. Chrysanthemum show Newport Hort. Society. Alex. MacLellan, Sec'y, Ruggles Ave.

BALTIMORE, Nov. 4-9. Chrysanthemum show Baltimore Florists' Club. J. G. Rodgers, Sec'y, 117 Park Avenue.

MILWAUKEE, Wis., Nov. 5-7. Chrysanthemum show. C. B. Whitnall, Sec'y, box 87.

OSHKOSH, Wis., Nov. 5-7. Chrysanthemum show Oshkosh Florists' Club. Mrs. G. M. Steele, Sec'y.

BOSTON, Nov. 5-8. Chrysanthemum show Mass. Hort. Society. Robt. Manning, Sec'y, Horticultural Hall, Tremont St.

NEW BEDFORD, MASS., Nov. 5-8. Chrysanthemum show New Bedford Gardeners' and Florists' club. C. J. Wood, Sec'y, 118 S. Second St.

CHICAGO, Nov. 5-9. Chrysanthemum show Horticultural Society of Chicago. W. N. Rudd, Ass't Sec'y, room 202, 185 Dearborn St.

INDIANAPOLIS, IND., Nov. 5-9. Chrysanthemum show Society of Indiana Florists. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

PHILADELPHIA, PA., Nov. 5-9. Chrysanthemum show Penna. Hort. Society. D. D. L. Farson, Sec'y, 1414 So. Penn Square, Phila.

LOUISVILLE, KY., Nov. 5-9. Chrysanthemum show Kentucky Society of Florists. H. Nanz, Sec'y, 582 Fourth Ave.

HOBOKEN, N. J., Nov. 6-8. Fall show North Hudson Florists' Club. Fred'k Lehnig, Sec'y, Hackensack, N. J.

PROVIDENCE, Nov. 6-8. Chrysanthemum show Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St.

FREDERICK, MD., Nov. 6-8. Chrysanthemum show Frederick County Floricultural Society. C. E. Kemp, Sec'y.

POTTSBURGH, N. Y., Nov. 6-8. Chrysanthemum show Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill-on-Hudson, N. Y.

ORANGE, N. J., Nov. 6-8. Chrysanthemum show New Jersey Floricultural Society. Peter Duff, Sec'y.

DENVER, Nov. 6-9. Chrysanthemum show Denver Florists' Society. Adam Kohankie, Sec'y, P. O. box 375, South Denver, Colo.

ST. LOUIS, Nov. 6-10. Chrysanthemum show St. Louis Florists. E. H. Michel, manager, Magnolia and Tower Grove Aves.

WORCESTER, MASS., Nov. 7. Chrysanthemum show Worcester County Hort. Society. Edw. W. Lincoln, Sec'y, 18 Front St.

NEW ORLEANS, Nov. 7-10. Chrysanthemum show New Orleans Hort. Society. Paul Abele, Sec'y, Cor. Joseph and Laurel Sts.

SPRINGFIELD, MASS., Nov. 12-14. Chrysanthemum show Hampden County Hort. Society. W. F. Gale, Sec'y.

KANSAS CITY, MO., Nov. 12-14. Chrysanthemum show Kansas City Florists' Club. Samuel Muttay, Sec'y, 1017 Broadway.

DAVENPORT, IOWA., Nov. 12-15. Chrysanthemum show Tri-City Florists' Club. A. W. Van der Veer, Sec'y, room 35, Masonic Temple.

ATLANTA, GA., Nov. 12-15. Chrysanthemum show at Atlanta Exposition. Geo. M. Bradt, chairman, Kenyon Building, Louisville, Ky., till Nov. 1; after that date, Y. M. C. A. Building, Atlanta, Ga.

DAYTON, O., Nov. 12-15. Chrysanthemum show Montgomery County Hort. Society. F. W. Ritter, Jr., Sec'y.

EVANSVILLE, IND., Nov. 12-16. Chrysanthemum show Evansville Florists' Club. J. A. Howsley, Sec'y.

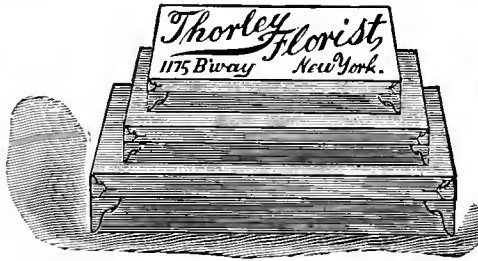
HOUSTON, TEXAS, Nov. 14-15. Chrysanthemum show Houston Chrysanthemum Club. Mrs. A. H. Mohl, Sec'y.

GRAND RAPIDS, MICH., Nov. 14-16. Chrysanthemum show Grand Rapids Florists' Club. Geo. F. Crable, Sec'y.

TORONTO, Nov. 19-22. Chrysanthemum show Toronto Gardeners' and Florists' Association. Edwin H. Carter, Sec'y, 280 Gerrard St. E.

KNOXVILLE, TENN., Nov. —. Chrysanthemum show Knoxville Floricultural Society. Henry Fenton, Sec'y.

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We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

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Wholesale Florist**4TH AND WALNUT STREETS,  
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ROSES AND CARNATIONS,  
Lily Valley, Orchids and Beauties,  
PALMS, FERNS, ASPARAGUS  
Hardy Cut Ferns, Wild Smilax.  
Box 87. MILWAUKEE, WIS.**Asparagus Plumosus Nanus.**

Cut Strings, 8 to 10 feet long,

50 CENTS.

**W. H. ELLIOTT, Brighton, Mass.****OBITUARY.**

WILLIAM VICK.—The friends of William Vick of Rochester, N. Y., will be pained to learn that he died last Saturday. He was born in Portsmouth, Eng., January 25, 1814, emigrating to America with his parents in 1833, and in 1835 came to this city, where he was engaged later with his brother, the late Jas. Vick, in the seed and plant business. Since 1891 he retired and lived with a daughter, Mrs. Alice Post. His only surviving brother is Geo. Vick of Barry, Kansas. His surviving children are Alfred of Mt. Carmel, Conn.; Edward H. and Fred W. of Barnards Crossing, and the above mentioned Mrs. Alice Post of Bergen, N. Y. Mr. Vick was well liked by all who knew him, for his gentle and unassuming manners as well as upright and moral character.

J. B. K.

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Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

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Handling flowers of all kinds in quantity we are in a position to fill shipping orders promptly. We shall give careful attention to this branch of the business, and solicit your patronage.

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 Consignments solicited. Prompt attention to all orders.

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Valley.....	2.00@	3.00
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Gladiolus.....	.50@	1.00
Tuberose, stalks.....	.25@	1.00
Hydrangeas.....	.25@	.50
Cosmos.....	.25@	.50
Chrysanthemums.....	.25@	.50
Violets.....	.50@	1.00
Smilax.....	8.00@	10.00
Adiantum.....	.75@	1.00
Asparagus.....	.50@	1.00
Roses, surplus stock.....	\$.50	per 1000
	BOSTON	OCT. 9.
Roses, general list.....	1.00@	4.00
" Beauty.....	10.00@	15.00
Carnations.....	25@	.50
" extra.....	.75@	1.50
Valley.....	.25@	.50
Lilies, white Japan.....	2.00@	4.00
Gladiolus.....	1.00@	2.00
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Chrysanthemums.....	18.00@	25.00
Violets.....	.75@	1.50
Adiantum.....	.75@	1.00
Smilax.....	10.00@	12.00
Asparagus.....	.50@	1.00
	PHILADELPHIA	OCT. 9.
Roses, Beauties.....	12.00@	15.00
" teas, large varieties.....	3.00@	5.00
" second division.....	.75@	1.00
Carnations.....	.75@	1.00
Valley.....	.25@	.50
Adiantum.....	.75@	1.00
Smilax.....	15.00@	20.00
Asparagus.....	.50@	1.00
	CHICAGO	OCT. 11.
Roses, Beauties long.....	15.00@	20.00
" short medium.....	4.00@	8.00
" large teas.....	2.00@	3.00
" select.....	1.00@	1.50
Carnations.....	1.00@	1.50
Tuberose.....	2.00@	4.00
Valley.....	.25@	.50
Smilax.....	12.50@	15.00
Chrysanthemums.....	per doz.	4.00

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 is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of sale. TERMS STRICTLY CASH.  
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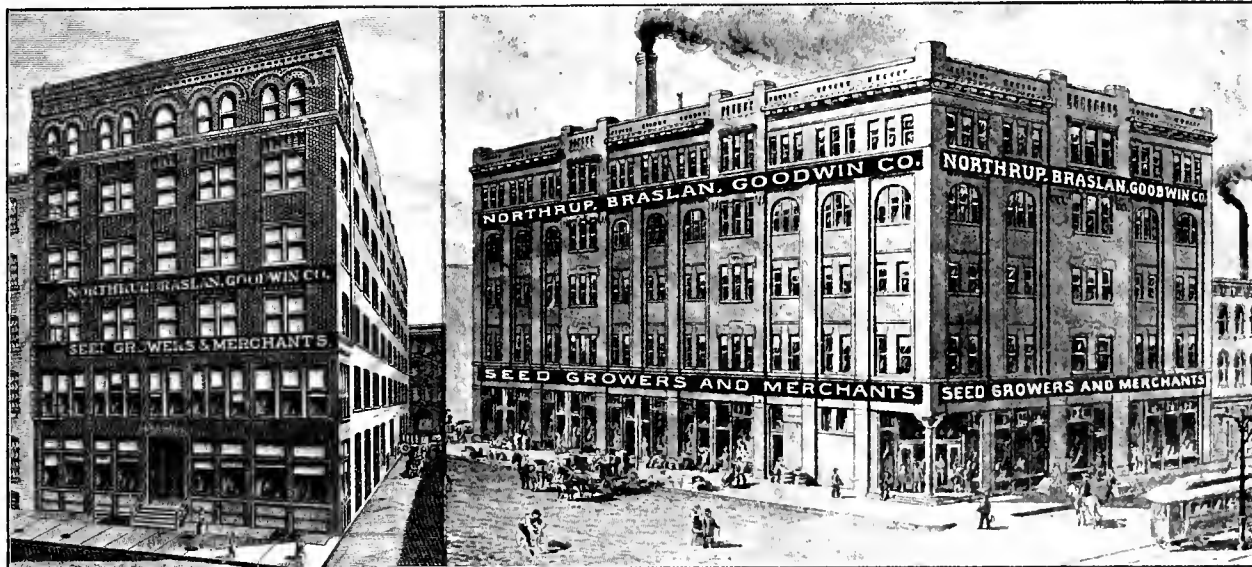
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Terms cash. **C. H. JONES,**  
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**ESPECIALLY LOW PRICES FOR EARLY ORDERS.**

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### LILIUM HARRISII.

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The Money Making Crop.

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Always reliable. Fresh and well-spawned. Second consignment  
of the season due at this port Sept. 15th. **G. C. WATSON,**  
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## October Offer.

	Per 100	Per 1000
Primroses, 2½-inch pots.....	\$2.00	\$18.00
" 2 inch pots.....	1.75	17.00
Pansies, 7 best strains.....	.50	4.00

CASH WITH ORDER.

**JOS. H. CUNNINGHAM,** Delaware, O.

WE ARE HEADQUARTERS ON

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FLOWER SEEDS FOR FLORISTS  
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Special prices on application.

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**DRACÆNA INDIVISA AND LINEATA,**  
\$8.00 per 100, and \$75.00 per 1000.

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CASH WITH ORDER.

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## LATANIAS.

Compact, in fine condition.

12-inch pots, 12 to 14 leaves, \$6.00 each

10-inch pots, 9 to 11 leaves, \$4.00 each

**SWAINSONA** in bloom, 6-in. pots, \$3 a doz.

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Hyacinths, Tulips, Crocus, Narcissus

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**WEEBER & DON,**

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## Indianapolis.

The meeting of the committee for the ninth annual chrysanthemum show of the Society of Indiana Florists was held at Mr. Wiegand's, September 18. E. G. Hill, Fred Dörner, J. S. Stuart, W. W. Coles and Henry Michel were present from outside the city. Different committees reported. Everything was reported moving along smoothly. A one fare round trip railroad rate has been obtained, excursion rates good, however, for a radius of 75 miles from Indianapolis only. A brass band has been engaged for evening concerts instead of orchestra music as heretofore.

The floral exhibit at the Indiana State Fair was very creditable. Competition for display of cut flowers in vases, cut roses and gladiolus was very keen. The display of plants was the best ever made at any fair yet held. The amateur class was not as good as last year. Anthony Wiegand received first on display of plants, first on rustic stands, first on lycopodiums and ferns. Bertermann Bros. were first on palms and caladiums, also on foliage and blooming begonias, cannas, variegated plants, asters, geraniums, coleus, two funeral designs, five bouquets, display cut flowers, best and original show design and best and original funeral design. John Rieman & Co. received first on three baskets of cut flowers. W. W. Coles of Kokomo received first on cut roses and gladiolus. Chas. Wheatcroft was first on hanging baskets. A revision of premium list will be made next season, with a third premium added. Some radical changes in the list will be made. The display of fruit was excellent.

The first hard killing frosts occurred September 29 and 30. Mr. McKeaud reports everything outside touched in Garfield Park, but the inside parks are all right yet. All cut flowers have suddenly been checked, having been very plentiful for several weeks.

Our water works company will lay out their grounds about their engine houses shortly; they expect to build a greenhouse to supply their grounds also.

The complete chrysanthemum show program will be out about October 15.

W. B.

CEDAR FALLS, IA.—A chrysanthemum show will be held here November 13-15, under the direction of florist Jos. Bancroft.

LYNN, MASS.—There is a movement on foot to organize a Florists' Club in this city.

## NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

American Florist Co.

P. O. Drawer 164,

CHICAGO.

## THE WHITE CANNA CAN NOW BE SEEN

In its full glory, notwithstanding the severe drought, at our Mr. Wintzler's farm at West Grove, Pa. Also the **NEW PURE ROSE, PURE PINK, PURE YELLOW**, and other remarkable Cannas that will be offered by us for the first time this season. The **White Myrosma** also in full bloom now. The **New Golden Cosmos**. The **Crimson Spiraea**. The **BLUE SPIRÆAS**, **Tecoma Smithii**, **Solanum Rantonnetti**, and other Novelties in Plants.

Headquarters also for the **Strawberry Raspberry**, The **Raspberry Blackberry**, The **Mayberry**, **Stanley Raspberry**.

**ROSES.** **Crimson Rambler**, \$6.00 to \$15.00 per 100. **Magna Charta**, 2 to 3 feet, \$6.00 per 100. **Tennessee Belle**, 4 to 5 feet, \$6.00 per 100. **Baltimore Belle**, 4 to 5 feet, \$6.00 per 100. **Meteor**, 1 to 2 feet, \$6.00 per 100. **CAROLINE TESTOUT**, finest plants in the country, \$10.00 per 100. Not less than 100 at these prices.

**Black Callas**, \$6.00 and \$8.00. **Spotted Callas**, \$3.00 and \$5.00. **Purple Callas**, \$3.00 per 100. **Little Cems**, \$5.00 per 100.

Send for Catalogue of Novelties in Plants. Jardinieres and Flower Pots for the trade.

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**TULIPA CRECIL**. 'The Perle of Persia,' spotted foliage, very large flowers of dazzling orange scarlet, with a yellow and black center. The brightest and most showy tulip in cultivation. \$1.50 per doz.; \$10.00 per 100.

**Black Calla** (Mohammed's Sacred Lily), \$1.00 per doz.; \$7.50 per 100.

**White Calla** (Lily of the Nile), medium sized bulbs, \$4.00 per 100.

**Iris reticulata**, exquisite dwarf Iris with violet-blue fragrant flowers, reticulated with golden yellow, 75c. per doz.; \$5.00 per 100.

**Lilium Candidum** (St. Joseph's Lily), strong bulbs \$2.50 per 100; \$30.00 per 1000.

**Double Roman Narcissus**, \$1.00 per 100; \$7.00 per 1000.

**Van Sion Narcissus**, \$1.75 per 100; \$13.00 per 1000.

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## ADIANTUM FARLEYENSE

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4-inch pot plants, extra fine ..... \$50.00 per 100  
5-inch " " ..... 12.00 per doz  
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A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106  
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THE

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25 CENTS EACH.

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P. O. Drawer 164, CHICAGO.

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## SAMPLE BLOOMS.

25 of our extra new double  
Petunias will be sent free  
to any florist that will pay  
the express charges on  
them.

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**5 Gallons for \$5**  
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Extra large, strong, in bloom, 3-inch pots, \$1.25 per dozen; \$8.00 per 100.

**ANTIRRHINUM MAJUS ALBUS.**

Fine winter bloomer, 2½-inch pots, 75 cents per dozen; \$5.50 per 100.

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Very fine, 2½-inch pots, \$1.50 per dozen.

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Single white, 3 sorts, 2 1-2 inch,  
\$2.00 per crate of 75.

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MARIE LOUISE, strong,  
healthy, field grown plants

A. WASHBURN & SON,  
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**CHINESE GOLDFISH,**

\$5.00 per 100. Safe arrival guaranteed.

Write to **JESSE ALVERSON**, Carp, Ind.

## FINE ROSES,

Mermets, Bridesmaids, Brides, Papa Gontiers, La France, from 3½-inch pots, \$5 per 100.

## SMILAX,

strong plants from 3½-inch pots, \$3.00 per 100; \$25.00 per 1000.

## FERNs,

well established plants from 2-inch pots, in 10 choice varieties, suitable for fern dishes and cutting, \$3.00 per 100. Samples sent for 10c in stamps.

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BRIDGEPORT, CONN.

## Complete Catalogue

OF

Fruit Tree Stocks, Ornamental Trees, Shrubs, Evergreens, Roses, Etc.

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**P. SEBIRE & SONS,**

USSY, (Calvados), FRANCE,

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Extra large field grown Carnations of the following varieties: Per 100

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SCOTT, DAYBREAK, STUART. . . . . 6 00

Stock fine and healthy.

## PANSIES.

The Jennings strain of finest American grown Pansies. Finest mixed colors, for winter blooming, \$5.00 per 1000.

SEED of above strain, \$1 per pkt. of 2500 seeds.

Cash with order. **E. B. JENNINGS,**  
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CARNATION AND PANSY GROWER.

EARLIEST LARGE FLOWERING

## CHRYSANTHEMUM

MARQUIS DE MONTMORT,

Much in the way of Vivand-Morel. Ready to cut Sept. 29th, 1895. Stock plants 50 cts. each; \$5 per dozen. Cash with all orders.

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PALMS, " " "

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Agent: **A. DIMMOCK,**

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SEND FOR SPECIAL OFFER.

## SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Send for list.

**WOOD BROTHERS, FISHKILL, N. Y.**

## VIOLETS.

MARIE LOUISE.

First size.....\$5 00 per 100

Second size.....\$3.00 per 100

**NATHAN SMITH & SON,**  
Adrian, Mich.

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Anrea, Lombardy.

## ONE THOUSAND CAR LOTS OF OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf.  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
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100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

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## EVERGREEN CUT FERNS

ESPECIALLY FOR FLORIST'S USE.

**\$1.25 PER THOUSAND FERNS.**

IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns furnished the year round. Special attention given to supplying the Wholesale Trade.

**BOUQUET GREEN.** For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.

**SPHAGNUM MOSS** a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.**

## Herr's Pansies.

Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

FIELD GROWN CARNATIONS, fine plants, reasonable prices.

**L. B. 496. ALBERT M. HERR, Lancaster, Pa.**

BRILLIANT GREEN AND BRONZE

## GALAX LEAVES

FOR DECORATING AND FLORISTS' USE.

LARGE AND SMALL SIZES.

Several heavy frosts are necessary before it is possible to get the Bronze Leaves, but the **GREEN** Leaves are now in prime condition.

WHOLESALE FLORISTS GENERALLY, write for sample and price to

**CHAS. H. RICKSECKER,**  
LINVILLE, Mitchell Co., N. C.

## PANSY SEED.

New Crop just arrived.

**GIANT PRIZE PANSY**, most brilliant mixture ever sold, containing the finest varieties in splendid colors and excellent size. Highly appreciated by all who have tried it.

1-4 oz. \$1.50. 1 oz. \$5.00.

**FLORIST'S MIXTURE A No. 1**, very fine mixture of large flowering varieties and choice colors, especially selected for florists' use.

1-4 oz. \$1.00. 1 oz. \$3.00.

Our Pansy Seeds have been personally examined in Germany. Write for pamphlet about "LYSOL" the Ideal Insecticide.

**HERRMANN'S SEED STORE,**  
413 E. 34th St., (near L. I. Ferry), NEW YORK.

## Pansies Worth Raising.

**STRONG PLANTS**, ready now, \$2.50 per 500; \$1.00 per 1000. Discount on large orders. Free on board express here.

Also **SEED** as usual. Cash with order. Full value in return.

**C. SOLTAU & CO.,**  
199 Grant Ave., JERSEY CITY, N. J.

**10,000 STRONG AND HEALTHY SMILAX PLANTS,**

out of 2½-inch pots. Cheap. Address **FRED. SCHNEIDER, 751 Crawford St., Cleveland, O.**

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Roemer's Superb Prize

## PANSIES.

The finest strain of Pansies in the world, and of all leading Novelties.

PLANTS at 75c. per 100; \$5.00 per 1000.

CASH WITH ORDER.

**Peter Brown, Florist,**  
LANCASTER, PA.

**ZIRNGIEBEL'S GIANT MARKET**  
and **GIANT FANCY**

## PANSIES,

In Trade Packets at \$1.00 each.

Also plants of the above superb strains, at \$1.00 per 100; \$5.00 per 1000 for Giant Market, and double that rate for Giant Fancy.

Plants packed securely to go any distance.

**DENYS ZIRNGIEBEL, Needham, Mass.**

## 10,000 Honeysuckles

and other Climbers, including VINCAS, IVIES, AKEBIAS, Etc.

**5,000 AMPELOPSIS VEITCHII.**

**10,000 CLEMATIS PANICULATA**

of 1 and 2 years' growth.

Special prices on the above. Send us a list of your wants.

**THE WM. H. MOON CO., Morrisville, Pa.**

Always mention the American Florist when writing to advertisers.

## St. Paul.

The hot wave, which brought flowers out with a rush, was succeeded by a heavy rainfall and decided drop in temperature, which has shortened the cut and depreciated the quality so that good stock is now scarce and prices have stiffened. White flowers are particularly scarce.

The first killing frost came the night of September 29, followed by another the 30th. Roses and carnations are about the only flowers being cut now. The crop of fall weddings continues, and funeral work is also in good demand.

L. L. May & Co. have completed their new houses, there being two each 13½x157 in length. One is filled with pot 'mums, and a finer lot cannot be seen anywhere. This makes 45,000 feet of glass which this enterprising firm now has.

We read of 'mums and violets being offered for sale in other cities, but it will be several weeks before any are offered in this market. The earliest will open about October 15. May & Co. have the finest stock of 'mums, both pot plants and single stems, while Hangen & Nilson now have the finest house of violets, some 1,600 plants all in bud.

The California violet is being tested by one of our prominent growers, and gives promise of being a decided acquisition, being a very vigorous grower and free from disease.

In carnations it is a little early to decide which will be the favorite this year, but Wm. Scott will crowd Daybreak hard for first place. The stem rot has appeared here and there, and spreads very rapidly. Rust is also seen on a great many plants, but persistent, systematic applications of the Bordeaux mixture will undoubtedly "fix" it.

E. P. Holen & Co. have moved across the street from their old location into neater and more commodious quarters.

Chas. Vogt has a nice lot of choice palms and decorative plants, and seems to be doing a rushing business.

Since my last notes S. B. Dicks of London, England, has been a caller.

FELIX.

## Worcester, Mass.

A few quiet weddings improved last week's trade considerably, and the outlook is promising for a good winter. Good flowers are in the market, and though prices are still a little low a good hard frost will probably cut off the outside supply and prices will move up a peg. Florists who neglected to buy their coal this summer are now regretting it, as coal has jumped up 50 cents per ton.

Some very fine exhibits were shown at the horticultural show last week, and the exhibition as a whole was very creditable for this season of the year. Dr. George E. Francis is giving a series of Mushroom Talks in the library of Horticultural Hall on Thursdays that are very interesting.

A. H. L.

## Milwaukee, Wis.

Mr. Wm. G. Schucht has started in as a retail florist at 415 Grand avenue.

The demand for variety in cut flowers is on the increase. Live growers will do well to grow something beside roses, carnations and violets.

WE ARE NOW ready to receive advs. for the corrected edition of our trade directory and reference book to be issued January 1 next.

# A SUPERB STOCK

OF

## KENTIAS ARECAS LATANIAS ARAUCARIAS PANDANUS

AND OTHER

# Decorative Plants.

Come and see for yourself.

## ROBERT CRAIG,

49th and Market Street,

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### CYCLAMEN GIGANTEUM.

Extra fine plants out of 3½-inch pots; eight to twelve leaves to the plant, \$1.50 per dozen; \$12.00 per hundred.

### PANSIES. A good strain.

50c. per 100 by mail; \$1.00 per 1000 by express. Cash with the order, please.

JNO. E. DeWALT, Box 82, Carlisle, Pa.

We have just received a fine Importation of

### GHENT AZALEAS

in excellent condition. Plants are nicely shaped, well set with buds, and certain to give every satisfaction. Orders filled strictly in rotation.

For prices and sizes see our latest quarterly.

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### Adiantum Farleyense Fern

	Per doz.	Per 100
2-inch.....	\$2.00	\$12.50
3-inch.....	3.00	20.00
4-inch.....	5.00	4.00
5-inch.....	9.00	75.00

We have the finest and largest stock in the west.

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Done with expert ability for Florists, Nurserymen, Seedsmen. Write to

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Large plants in bud and bloom: PORTIA, DAY-BREAK, GRACE WILDER, TIDAL WAVE, SCOTT, ALBERTINI \$3.00 to \$6.00 per hundred. Inquire of

GEO. PIEPGRAS, 59 Wabash Ave., Chicago,  
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## Horticultural Manure

contains more plant-food in *one hundred pounds* than is contained in *one ton* of any natural manure.

### Liquid Manure

made from it is cleaner, cheaper and better than from any other source.

In 10, 25, 50 and 100 lb. packages for florists' use. Write for trade prices and pamphlet.

ROBT. L. MERWIN & CO., 88 Wall St., N. Y.  
When writing mention American Florist.

	doz.	per 100
CLEMATIS, large fl'g, best kinds, \$3.00	1 25	\$22.50
PÆONIES, fine Ass't, named.....		8.00
POET'S NARCISUS, double white, large stock.....		.75
SMILAX, 2½-in., fine plants.....		1.50
DOWNING GOOSEBERRIES, best gro'n, 2.50		
F. A. BALLER, Bloomington, Ill.		

### PALMS SELL ALL THE YEAR.

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 4 & 5-inch \$3.50, 20 for \$5; 6 4-in. for \$5. All good selected varieties. Special sale: Choice Ferns, \$5.00 & \$6.00. SMILAX, fine plants in 2½-inch pots, \$2.00 per 100.

### FIELD GROWN CARNATIONS.

SILVER SPRAY, PORTIA, LIZZIE McGOWAN, GARFIELD, TENDERS, PINZES WHITE. Price \$5.00 per hundred.

Williams & Sons Co., Batavia, Ill., Labels & Moss, etc

## CARNATIONS.

20,000 DAYBREAK, good plants, averaging 10 to 15 flowering shoots, \$6 per 100.

GEO. E. FANCOURT, Wilkes-Barre, Pa.

## A Color Chart

far more brilliant than that of Mr. Mathews may be had by planting and cherishing our field plants.

Carnations Introduced this year:

	Per 100
OPHELIA—(Own). Pink, large and free, flowers bring top price	\$15.00
KOHINOOR—(Pennock). Large white, occasionally pencilled with pink, very fine.	10.00
SHELMIRE'S LIST.	
ELDORADO—A free blooming yellow, finely formed flowers, often reaching 3 inches, petals edged with pink	15.00
KITTY CLOVER—A most prolific bloomer, rather light yellow striped lightly with red and white, flowers fragrant.	10.00
EULALIE—Light yellow, handsomely pencilled with light pink	10.00
PRINCESS BONNIE—Light pink ground, prettily pencilled with a darker shade, a very fine carnation and a great bloomer.	10.00
DAISY BELL—White variegated, same class as Chester Pride, flowers much larger, and the plant will bloom much sooner.	10.00
GENERAL LIST.	
SWEETBRIER, light pink.	8.00
WM. SCOTT, pink	8.00
THOS. CARTLEDGE, dark pink.	8.00
PORTIA	8.00
McGOWAN	6.00
STUART	8.00
UNCLE JOHN	8.00
HELEN KELLER	8.00
STOCK IN BLOOM IN FIELD.	
MRS. FISHER	3.00
OPHELIA	5.00
BUTTERCUP	5.00
AURORA	5.00
VIOLETS LADY CAMPBELL	8.00
MARIE LOUISE	6.00

**Edwd. Swayne,**  
KENNETT SQUARE, PA.

## CARNATIONS

LARGE FIELD GROWN PLANTS.

	Per 100
ALBERTINI	\$4.00
DAYBREAK	4.00
NANCY HANKS	4.00
MRS. FISHER	4.00
TIDAL WAVE	4.00
Also Choice VIOLET plants	5 00

Write for prices on 500 lots or over.

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Cut Blooms at Wholesale.

FIELD PLANTS AND ROOTED CUTTINGS IN SEASON.

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## FIELD GROWN CARNATIONS.

EDNA CRAIG, MME. ALBERTINI, DAYBREAK, MRS. FISHER, BLANCHE, FRED. DORNER, SILVER SPRAY, WM. SCOTT, \$7.00 per 100.  
MRS. REYNOLDS, RICHMOND, GARFIELD, PORTIA, E. G. HILL, MRS. HITT, LIZZIE McGOWAN, \$5.00 per 100.  
Terms, cash with order.

JOSEPH HEINL, Jacksonville, Ill.

## CARNATIONS, BOUVARDIAS,

STRONG FIELD-GROWN PLANTS.

Very low prices on application.

**VICK & HILL,** Rochester, N. Y.

DAYBREAK, ALBERTINI, PURITAN,	1st size, \$8 per 100
	2nd size, \$6 per 100

ALSO OTHER SORTS.

Asparagus Plumosus, 2-inch, \$6.00 per 100

FORCING ROSES, CYCLAMEN AND PRIMROSES.

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# CARNATIONS.

Strong, field grown plants, at \$8.00 per 100.

**DAYBREAK,  
PURITAN,  
SILVER SPRAY,**

**THOS. CARTLEDGE,  
SWEETBRIER,  
PORTIA,**

**JACQUEMINOT,  
WM. SCOTT,  
EMILY PIERSON.**

**WE ARE HEADQUARTERS FOR  
FARLEYENSE FERNS.**

2-in. \$15 00; 2½-in. \$18.00; 3-in. \$25 00; 4-in. \$50 00 per 100.

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GREENHOUSES WESTERN SPRINGS, ILL.

## 4 Acres Field Grown Carnation Plants, 96,000.

Our Carnations are grown with the greatest care, are first-class, and free from disease. We pack light by our improved system of packing by which we can send them to all parts of the United States and Canada in perfect condition.

**ADA BYRON**

\$1.50 per dozen. \$8.00 per hundred.

**SWEETBRIER**

**DAYBREAK  
SILVER SPRAY  
L. L. LAMBORN**

\$1.00 per dozen.

**LIZZIE McGOWAN  
MRS. F. MANCOLD  
MRS. C. CARNEGIE**

\$5 00 per hundred.

\$45.00 per thousand.

**ROSALIND  
CARFIELD  
HINZE'S WHITE**

**J. L. DILLON,** Bloomsburg, Pa.

## 40,000 CARNATIONS.

Field Grown.

	PER 100
DAYBREAK	\$5 00
NANCY HANKS	5 00
LIZZIE McGOWAN	5 00
SILVER SPRAY	5 00
AURORA	4 00
HELEN KELLER	7 00
FRED CREIGHTON	4 00
VIOLETS, MARIE LOUISE	5 00

All good strong healthy plants.

**ROGERS PARK FLORAL CO.,**

41 WABASH AVE., CHICAGO.

## Field Grown Carnations.

GOOD HEALTHY PLANTS.

	Per 100
UNCLE JOHN	\$ 8 00
STUART	8 00
BRIDESMAID	10 00
ALBERTINI	8 00
WM. SCOTT	8 00
E. A. WOOD	8 00
METEOR	10 00

**FRED. DORNER & SON,**

LA FAYETTE, IND.

## Just Received GANE STAKES

EXTRA GOOD QUALITY.

9 to 12 feet long, \$6 00 per 1000. 2000 for \$10.00.

**HENRY F. MICHELL,**  
SEEDSMAN,

1018 Market St., PHILADELPHIA, PA.

**Fisher & Aird,** ELLIS, MASS.  
NEW AND TESTED

## CARNATIONS.

ALEX. McBRIDE,

**Carnation Grower**

ALPLAUS, N. Y.

**SURPLUS Grace Wilder Carnations,**

\$30 00 per 1000, fine plants. A snap for some one.

Address **W. B. WOODRUFF,** Florist, Westfield N. J.

## LARGE FIELD GROWN Carnation Plants.

First-Class, and Free from Disease.

**WM. SCOTT, DIAZ ALBERTINI,  
TIDAL WAVE, HINZE'S WHITE,  
DAYBREAK, SILVER SPRAY,**

only \$5.00 per 100; \$40.00 per 1000 to close out.

CASH WITH ORDER.

Also large stock of Palms, Pandanus Utilis, Aspidistras, Century Plants, etc., etc. Large specimens, fine for decorations. Will be sold cheap to close out.

**S. J. REUTER,** Westerly, R. I.

## FINE FIELD GROWN CARNATION PLANTS

	Per 100
DAYBREAK	\$5 00
SCOTT	5 00
LIZZIE McGOWAN	4 00
ORANGE BLOSSOM	1 00
TIDAL WAVE	4 00

These plants are protected from frost.

**MARIE LOUISE VIOLETS,** no spot, fine plants, \$5.00 per 100.

**PANSY PLANTS,** \$5.00 per 1000.

**GEO. B. WHITEHEAD,** L. B. 116, Greens Farms, Conn.

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**ELDORADO and OTHER SEEDLINGS.**

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Send for circular. **AVONDALE, PA.**  
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**RICHMOND, INDIANA.**

**CARNATIONS A SPECIALTY.**

Rooted Cuttings. Young Plants. Field Grown Plants in season. Write for prices.

**GEO. HANCOCK & SON,** Grand Haven, Mich.



## News Notes.

HOLYOKE, MASS.—E. C. Taft has bought out the florist business of E. D. Shaw.

LEBANON, PA.—R. W. Wynings has moved from No. 30 to 709 Cumberland street.

ORANGE, N. J.—The New Jersey Floricultural Society will hold a chrysanthemum show in November.

EMMETSBURG, IA.—Mr. E. Burt, the market gardener, is building a house 16x50 heated by hot water.

NEWBURGH, N. Y.—The schedules in the assignment of W. H. Cornish show liabilities \$25,000, assets one-third.

FALL RIVER, MASS.—Jas. Warburton has sold his greenhouses and business to his son, Chatterton Warburton, who will carry on the business.

SPRINGFIELD, MASS.—The unsettled accounts due the estate of Mattie F. Gale, who assigned last year, were advertised to be sold at auction October 8 by the assignee.

CLEVELAND, O.—Mr. Henry Knapp is building another house 18x36. Dennison avenue has been renumbered, so Mr. Knapp's address is now 886 instead of 265, as before.

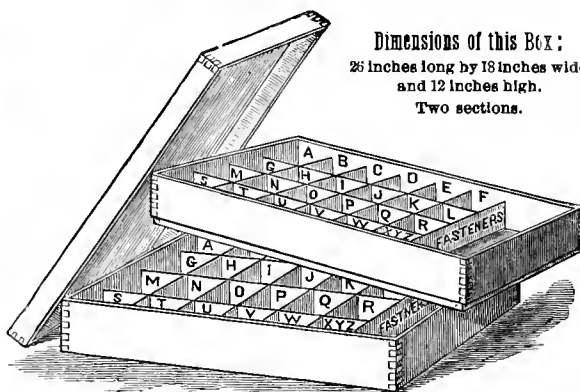
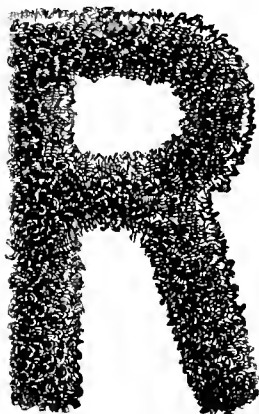
BRISTOL, R. I.—Wm. Hodgkinson has leased his greenhouses to his old foreman, Mr. Martin J. Edmonds. He has retired from the business, which will be continued by Mr. Edmonds.

NORTHAMPTON, MASS.—Prof. Ganong of Smith College delivered a lecture in Lilly Hall October 7 on "The Physiological Principles Underlying Horticulture." The lecture was free to the public.

BELMONT, CAL.—E. W. McLellan of McLellan Bros., became a benedict October 2. He and his bride are now on a trip through the east. On his return Mr. McLellan will start in the business of growing cut flowers for the wholesale market under his own name.

CONCORD, N. H.—The second annual exhibition of the New Hampshire Horticultural Society was held in the City Hall October 2-5. The exhibit was much larger than that of last year, and the attendance was good. Geo. Main, G. J. Benedict and Wm. Wilson of this city made large displays of potted plants.

WAUKESHA, WIS.—On October 1 Judge Griswold rendered his decision in the suit in which A. J. Frame asked for an injunction restraining the new telephone company here from cutting his shade trees on the outside of the walk. The judge has had the question under consideration for a fortnight and rendered an exhaustive opinion. In the course of it he cited decisions by courts in different states, two-thirds of which coincided with his decision, that telegraph and telephone poles and wires are extra burdens upon the street and that those who erect and maintain them in cities and villages are liable to the owners of abutting property for damages, and must gain their consent if objection is made to the erection of poles or wires. In Mr. Frame's complaint no specific damages were claimed, and the court, in his decision, named merely a nominal amount. The defendant's attorney asked for a stay of execution and announced that an appeal would be taken to the Supreme court.



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

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Manufacture THE BEST LETTERS IN THE MARKET.

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OUR NEW SCRIPT LETTER, \$4.00 per 100.

N. F. MCCARTHY, Address 84 Hawley St.,  
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We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers in Boston.

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FLORISTS' SUPPLIES ONLY,  
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Our new Catalogue is now out, free upon application.

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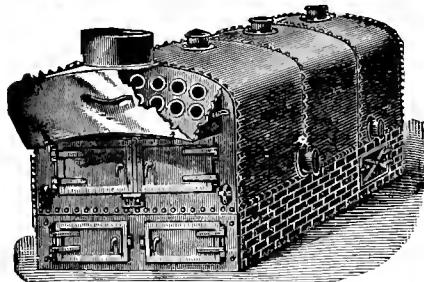
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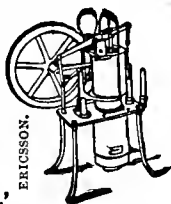
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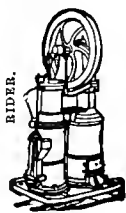
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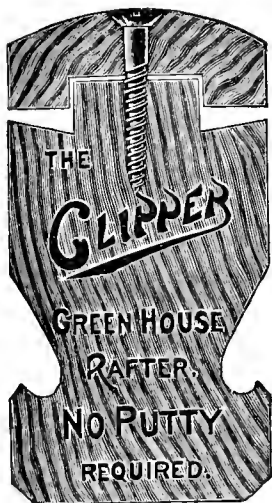
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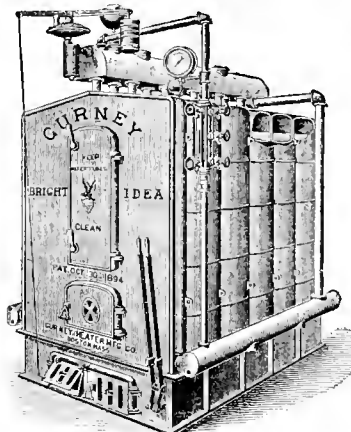


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ALWAYS EQUAL TO THE OCCASION.

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BOSTON, MASS.

## NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

AMERICAN FLORIST COMPANY,

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## New Notes.

TRENTON, N. J.—Jos. F. Ribsam has opened a new store at 12 East State street.

PEORIA, ILL.—The contract has been let for the conservatory in Glen Oak Park at \$18,000.

BUTTE, MONT.—J. H. Mitchell has succeeded Mitchell & Manchester. His address is 137 W. Park street.

LOS ANGELES, CAL.—C. Huchner, formerly of St. Paul, Minn., is about to go into the florist business here.

NEGAUNEE, MICH.—The Negaunee Greenhouses, which are in charge of Mr. S. R. Fraser, have been opened for business.

HARTFORD, CONN.—Geo. S. Osborn started into business September 1 with a new greenhouse 18½x50, with a violet frame attached.

DETROIT, MICH.—John Breitmeyer & Sons will make a display of chrysanthemums at their conservatories November 4 to 9, to which they have issued special invitations.

FAIRFIELD, CONN.—Henry Thompson, a gardener, committed suicide by shooting himself in the head. The suicide was 44 years old. Despondency from sickness is said to be the cause.

BUTLER, PA.—A fine wedding decoration recently arranged here by T. A. Morrison consisted of arches of roses; from the principal arch was a wedding bell, with a background of palms. The arrangement was greatly admired.

KALAMAZOO, MICH.—Mr. Samuel Batson has just completed a new house 42x50. It is of the style shown in the spring number of the FLORIST, adopted by Messrs. Swayne and Busch, etc., though his has less of a slope than either being only 1 in 4, and using neither putty or anything except the caps, and the slope is to the east instead of south. The house is planted with carnations, Scott, Daybreak, McGowan, etc., and from present indications seems well adapted for this class of stock. This gives him about 7,000 feet of glass, planted chiefly with carnations, which succeed admirably with him although roses and violets are looking remarkably well also. He has also put in a new steam boiler and overhauled the whole plant which is now in first-class shape for a good season's trade, which present indications justify expecting.

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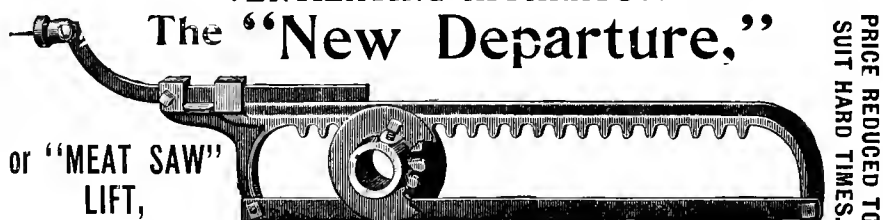
We Manufacture all kinds of Flower Pots, etc.  
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Send for price list and samples (which will be sent free), and we know you will give us your order.

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SEE HERE MR., WHAT'S YOUR NAME, DON'T YOU NEED VENTILATING APPARATUS?



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Address **J. D. CARMODY, Evansville, Ind.**

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Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

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Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

**A. H. HEWS & CO., N. Cambridge, Mass.**

## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopfel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopfel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

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To be applied with a trowel. The only putty made to work this way for greenhouse sash. Put up in 20 lb. Cans. Has been used by florists in this city for years. Try it and you will use no other.  
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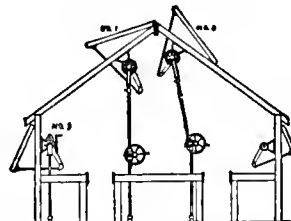
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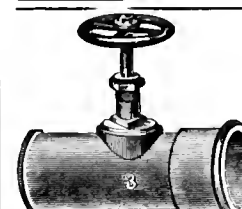
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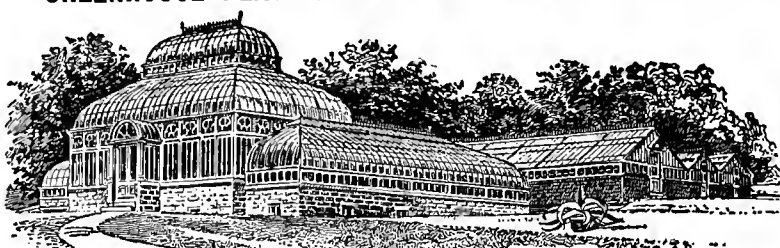
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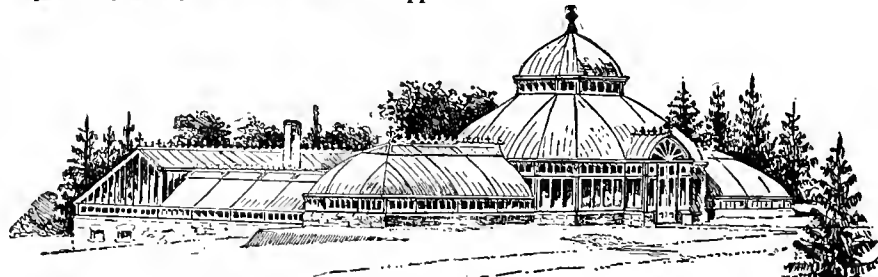
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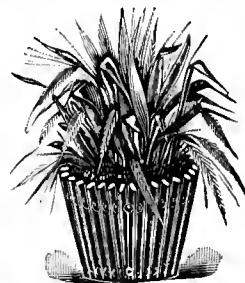
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Vol. XI

CHICAGO AND NEW YORK, OCTOBER 19, 1895.

No. 385

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY.

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

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EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS ELECT.—WM SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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Frederick, Md.

Mr. C. Hermann has recently added two more houses to his plant, one for roses and the other for palms and miscellaneous plants. Mr. Hermann had considerable funeral work during the past week and reports business in general much improved.

### Through American Eyes.

THOMAS ROCHFORD'S, LONDON.

To the average American florist an establishment containing 75,000 to 100,000 feet of glass is considered quite a large place, while one of 150,000 feet is looked upon as enormous and the wisdom of its venturesome owner questioned. What will he do with all his stock? Where will he sell it? the markets are glutted now, etc., etc. These and many other comments are made by those, who judging from their standpoint, see nothing but disaster ahead for the man who, anticipating the future, is preparing for the market he sees before him.

Things are large and small, however, by comparison only, and a three acre place of about 150,000 feet of glass pales into insignificance as compared with one containing 800,000 feet, and covering over eighteen acres. Such an establishment is that of Thomas Rochford at Broxbourne, about sixteen miles from London. The visitor approaching this large range of glass sees from the train a number of establishments not of such large extent, but still containing hundreds of thousands of feet of glass until it really seems as if there are miles of glass houses. The Rochford houses are built in a very substantial manner, the walls being of brick and the woodwork of yellow pine. The heating is all plain hot water. The houses are erected in blocks of ten or more side by side, without dividing walls, the gutters being supported on brick piers.

The ventilating is done by a system quite simple and inexpensive, costing in the quantity used here about 30 cents per sash. The apparatus consists of a one-eighth inch iron pipe attached by staples and small pulleys immediately under the rail upon which the ventilating sash rests. This pipe extends the length of the house to within a few feet of the end, where a chain is attached and passing over a pulley wheel is fastened to a wooden lever on the outside, parallel with the end of the house. A flat piece of iron half inch wide and one-eighth thick extends from the bottom of the sash; this is curved about six inches at the end away from the direction in which it is to be pulled; from the extreme point of this bar a chain or wire runs to the small pipe. Attached to the rail on which the sash rests is a similar piece of iron with a quarter circle curve, this is loosely riveted to the other bar or sash raiser, about one foot from the sash, and acts as a lever as well as steadying the sash bar while it is being raised. A pressure on the large lever with one hand is enough to raise all the ventilators on one side of a house 280 feet long. The lever is pegged to keep the sash at the desired opening, and on being released the weight of the whole carries them down tight. Some of the gutters are 18 inches wide and in the center in a

raised space there is an eight inch opening with a hinged board covering, which is also used to admit air. Water is furnished from large elevated iron tanks, which supply is pumped from wells by steam. There is also a cold storage plant of quite large extent, the rooms of which are kept at different temperatures as required for the various varieties of stock stored.

The quality of the products of this establishment is all that can be desired, in fact we have never seen better plants considering the variety grown anywhere, and some of the specialties are a revelation. Mr. Rochford grows very large quantities of kentias, in fact acres of them, principally *Forsteriana* and *Belmoreana*; they are to be seen in all stages, from seedlings to the various market sizes, and from these to probably the largest specimens to be found on any commercial place. In all the various stages they are as near perfect as it seems possible to raise them. *Latanias* are also largely grown, the stock of this palm in all sizes is particularly fine. Some are short and bushy and others taller with longer foot stalks, the latter kind being preferred by the English florists. *Arceas* are also being grown in quantity; one lot of 120,000 plants in 3-inch pots about one year old looked very promising.

Palm seeds are started in boxes along the edges of paths under the tables. A large house was filled with small cypress stumps; these had broken well and were making very salable plants, for which it was said there is a good demand. To accommodate his larger stock and specimen palms a house 300 feet long, 52 wide and 28 high has been erected and is entirely filled with grand plants. Some very large tree ferns are also to be seen.

A new range consisting of twenty houses 160 feet long by 13 wide is in course of construction; these are to be used for growing on seedling palms. Palms are potted in good fresh soil, not compost that has been mixed with stable manure. Chemical fertilizers are depended on to provide additional food, Bull's, Davis's and Wood's being largely used. They are also given at times a solution of soot, this is first made into a paste and will then readily become soluble. This assists the plants materially, giving a rich glossy foliage.

Probably the plants that showed the highest state of cultivation were the *dracænas*; they were a revelation. We feel that we are safe in saying that nothing approaching them has ever been seen in America, at least commercially. *Terminalis*, which is generally seen here with bright center leaves, was colored down to the pot. Other finer kinds were even done better. Such stock would bring any reasonable price and sell on sight in this country. Even if as a house plant it was not successful there would be no

difficulty in disposing of quite large quantities. Among the principal varieties grown are *Gladstonei*, a grand kind, *Stricta grandis*, Lord Wolseley, very brilliant, brighter than *terminalis* and sure to be a standard variety, and *Regina*. Crotons were also to be seen in quantity, the following being among the best varieties: *Newmanii*, *Massangeana*, *Thompsonii*, *Flambeau*, *Morte Fontainensis*, *Russelli*, an extra fine one, *Czar Alexandre III* and *Reedii*, all broad leaved kinds. In the narrow leaved section mostly used for table decoration were *Laingii*, *Chelsonii*, *Mrs. Dorman*, *Superbus* and *Lanceolatus*. *Araucarias* occupied several houses and looked extremely well.

Ferns are a great specialty here, and over 500,000 are grown and sold annually, probably half of them in 4 and 5-inch pots. There is house after house filled with one variety, the principal kinds being *Pteris major*, *Lomaria gibba* and *Polypodium aureum*. Of this latter variety a great quantity is grown in 5-inch pots. They have not as yet been able to supply the demand for this fern, its keeping qualities making it very popular. A great many *adiantum*s are also grown; a new one named *Rochfordii* is very pretty and will no doubt prove a good market sort. When it is desirable to make bushy plants perfect all around for table use they are grown setting in saucers hung by wires from the roof; rows of plants growing in this way are seen along the edges of the walks and over center beds. Not alone ferns but *Pandanus Veitchii* and other like stock is grown in this manner, and from the number of plants seen it must be worth while to go to this trouble.

Lily of the valley is forced all the year round, and Mr. Rochford's stock is always in demand. The flowers in August looked of about the same quality as seen in America during summer. They are grown in boxes packed at this time 100 pips to a box, but when they make more leaf 60 is sufficient. There has been ordered for this season six million pips, all to be forced on the place. This department alone employs 36 men and boys during the winter season. Tulips and narcissus are also largely grown, and eight hundred thousand of each is this season's complement.

Chrysanthemums are a staple flower with Mr. Rochford, and fifty-two thousand plants of about sixty varieties were being tied up and disbudded preparatory to being put into the houses. They are all growing in 10-inch pots and tied up to a single stake, they have from six to ten stems and will be largely sold as cut flowers. They have been outside all summer, are in very healthy condition and run from four to five feet in height. Lady Selborne is said to be a good early white and Lady Fitzwigram, another early white, of undoubted value. Ivory, strange to say, was unknown.

In connection with plants Mr. Rochford also grows great quantities of fruit, cucumbers, tomatoes and grapes occupying whole ranges of glass. One block of two acres, in which tomatoes had been growing all summer, was being cleaned out for part of the chrysanthemums. During the summer season from four to five tons of this fruit a day are shipped to Covent Garden market. Cucumbers are another great summer stock, the seed is sown in February and the fruit cut from April to August, when the houses, mostly 150 feet long by 12 wide, are filled with ferns. Hothouse grapes are grown here to perfection; from 80 to 90 tons is the

annual yield. One block of nine houses 28 feet wide by 280 long is filled with grapes, six of them being *Gros Colman*.

A large invoice of *Lilium Harrisii* and *longiflorum* was being potted. Some of the last season's stock has been kept in cold storage and were to be seen in flower; they were fairly good, but the experiment was hardly considered a success. *Spiraea japonica* was also being tried for Christmas forcing. *Hydrangeas* are grown in quantity, as are also *genistas*, *epacris* and other market stock.

There are a number of large vans with which all the stock is sent to market, a distance of sixteen miles. From two hundred and fifty to three hundred men are on the pay roll; they work from six a. m. until six p. m., with one hour and a half for meals. Wages are from \$4 to \$5 per week for the greenhouse men, the foremen, of whom there are eleven, receiving additional pay. There is also a general foreman or superintendent. These managers are held strictly to account for their different departments, and have a sufficient number of men to enable them to carry on their work. There is a beneficial society organized among the employees, with dues of 12 cents per week, insuring benefits of \$4 weekly in case of illness.

While this immense business was established about eighteen years ago with a very small capital and with no idea of its present magnitude, it was not until about twelve years ago that it began to spread out, and since then the growth has been rapid, blocks of houses covering two and three acres going up at a time. Mr. Rochford is a man full of progressive ideas, and everything about the establishment has an up to date appearance. He is on the sunny side of fifty, is courteous and affable, and takes pleasure in showing his visitors around. His father was a florist, and he has four brothers all in the business and having places of some hundreds of thousands of feet of glass in the immediate neighborhood.

K.

#### Pansy and Cineraria Leaves Turn Yellow.

A letter comes from a subscriber who lives in Salt Lake City signed "S. & H." who relate that his young pansies and cinerarias, after transplanting, turn yellow and look very sickly, and he wonders if the soil is the cause of the trouble. I should say not. If it was the soil the other plants in the establishment would show it, and of those there is no complaint. It is difficult without seeing the conditions under which these plants are grown to assign a cause for the trouble. The greatest enemy to pansies in the fall is red spider, which I have seen attack and about ruin a bed of seedlings during a hot and dry September. A daily syringing is the only cure for these pests, and the stream of water as much as possible should hit the under side of the leaf. Greenfly is the great enemy of cinerarias, and if allowed to attack the plant when small will soon eat them up. Regular fumigation with tobacco will prevent this. As "S. & H." says his trouble begins after the seedlings are first transplanted it is possible that this is carelessly or improperly done. I have seen batches of asters and other annuals die because the soil was not properly firmed round the roots. To make a hole with a stick, shove in the roots, and finish the operation with pressing the soil lightly at the surface, is not enough. The soil must be in close contact with the roots.

W. S.

#### Coming Exhibitions.

- SAN FRANCISCO, Oct. 25-28. Chrysanthemum show California State Floral Society.
- BALTIMORE, Nov. 4-9. Chrysanthemum show Baltimore Florists' Club. J. G. Rodgers, Sec'y, 117 Park Avenue.
- MILWAUKEE, WIS., Nov. 5-7. Chrysanthemum show. C. B. Whitnall, Sec'y, box 87.
- OSHKOSH, WIS., Nov. 5-7. Chrysanthemum show Oshkosh Florists' Club. Mrs. G. M. Steele, Sec'y.
- BOSTON, Nov. 5-8. Chrysanthemum show Mass. Hort. Society. Robt. Manning, Sec'y, Horticultural Hall, Tremont St.
- NEW BEDFORD, MASS., Nov. 5-8. Chrysanthemum show New Bedford Gardeners' and Florists' Club. C. J. Wood, Sec'y, 118 S. Second St.
- CHICAGO, Nov. 5-9. Chrysanthemum show Horticultural Society of Chicago. W. N. Rudd, Ass't Sec'y, room 202, 185 Dearborn St.
- INDIANAPOLIS, IND., Nov. 5-9. Chrysanthemum show Society of Indiana Florists. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.
- PHILADELPHIA, PA., Nov. 5-9. Chrysanthemum show Penna. Hort. Society. D. D. L. Farson, Sec'y, 1414 So. Penn Square, Phila.
- LOUISVILLE, KY., Nov. 5-9. Chrysanthemum show Kentucky Society of Florists. H. Nanz, Sec'y, 582 Fourth Ave.
- WEST HOBOKEN, N. J., Nov. 6-8. Fall show North Hudson Florists' Club. Fred'k Lehning, Sec'y, Hackensack, N. J.
- PROVIDENCE, Nov. 6-8. Chrysanthemum show Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St.
- FREDERICK, MD., Nov. 6-8. Chrysanthemum show Frederick County Floricultural Society. C. E. Kemp, Sec'y.
- POUGHKEEPSIE, N. Y., Nov. 6-8. Chrysanthemum show Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill-on-Hudson, N. Y.
- ORANGE, N. J., Nov. 6-8. Chrysanthemum show New Jersey Floricultural Society. Peter Duff, Sec'y.
- DENVER, Nov. 6-9. Chrysanthemum show Denver Florists' Society. Adam Kohankie, Sec'y, P. O. box 375, South Denver, Colo.
- ST. LOUIS, Nov. 6-10. Chrysanthemum show St. Louis Florists. E. H. Michel, manager, Magnolia and Tower Grove Aves.
- WORCESTER, MASS., Nov. 7. Chrysanthemum show Worcester County Hort. Society. Edw. W. Lincoln, Sec'y, 18 Front St.
- NEWPORT, R. I., Nov. 7-9. Chrysanthemum show Newport Hort. Society. Alex. MacLellan, Sec'y, Ruggles Ave.
- NEW ORLEANS, Nov. 7-10. Chrysanthemum show New Orleans Hort. Society. Paul Able, Sec'y, Cor. Joseph and Laurel Sts.
- SPRINGFIELD, MASS., Nov. 12-14. Chrysanthemum show Hampden County Hort. Society. W. F. Gale, Sec'y.
- KANSAS CITY, MO., Nov. 12-14. Chrysanthemum show Kansas City Florists' Club. Samuel Murray, Sec'y, 1017 Broadway.
- DAVENPORT, IOWA, Nov. 12-15. Chrysanthemum show Tri-City Florists' Club. A. W. Van der Veer, Sec'y, room 35, Masonic Temple.
- ATLANTA, GA., Nov. 12-15. Chrysanthemum show at Atlanta Exposition. Geo. M. Bradt, chairman, Kenyon Building, Louisville, Ky., till Nov. 1; after that date, Y. M. C. A. Building, Atlanta, Ga.
- DAYTON, O., Nov. 12-15. Chrysanthemum show Montgomery County Hort. Society. F. W. Ritter, Jr., Sec'y.
- EVANSVILLE, IND., Nov. 12-16. Chrysanthemum show Evansville Florists' Club. J. A. Howsley, Sec'y.
- READING, PA., Nov. 13-16. Chrysanthemum show. M. H. Schnader, Manager.
- HOUSTON, TEXAS, Nov. 14-15. Chrysanthemum show Houston Chrysanthemum Club. Mrs. A. H. Mohl, Sec'y.
- GRAND RAPIDS, MICH., Nov. 14-16. Chrysanthemum show Grand Rapids Florists' Club. Geo. F. Crabbe, Sec'y.
- SYRACUSE, N. Y., Nov. 19-21. Chrysanthemum show Central New York Hort. Society. A. D. Perry, Pres.
- TORONTO, Nov. 19-22. Chrysanthemum show Toronto Gardeners' and Florists' Association. Edwin H. Carter, Sec'y, 280 Gerrard St. E.
- KNOXVILLE, TENN., Nov. —. Chrysanthemum show Knoxville Floricultural Society. Henry Penton, Sec'y.

#### Chrysanthemum Society of America

The committees on seedlings will hold sessions for making awards to deserving new varieties on Oct. 19 and 20 and Nov. 2, 9, 16 and 23.

Those having seedlings to be considered by the committee should forward same by prepaid express to any of the following:

BOSTON—A. H. Fewkes, Horticultural Hall.

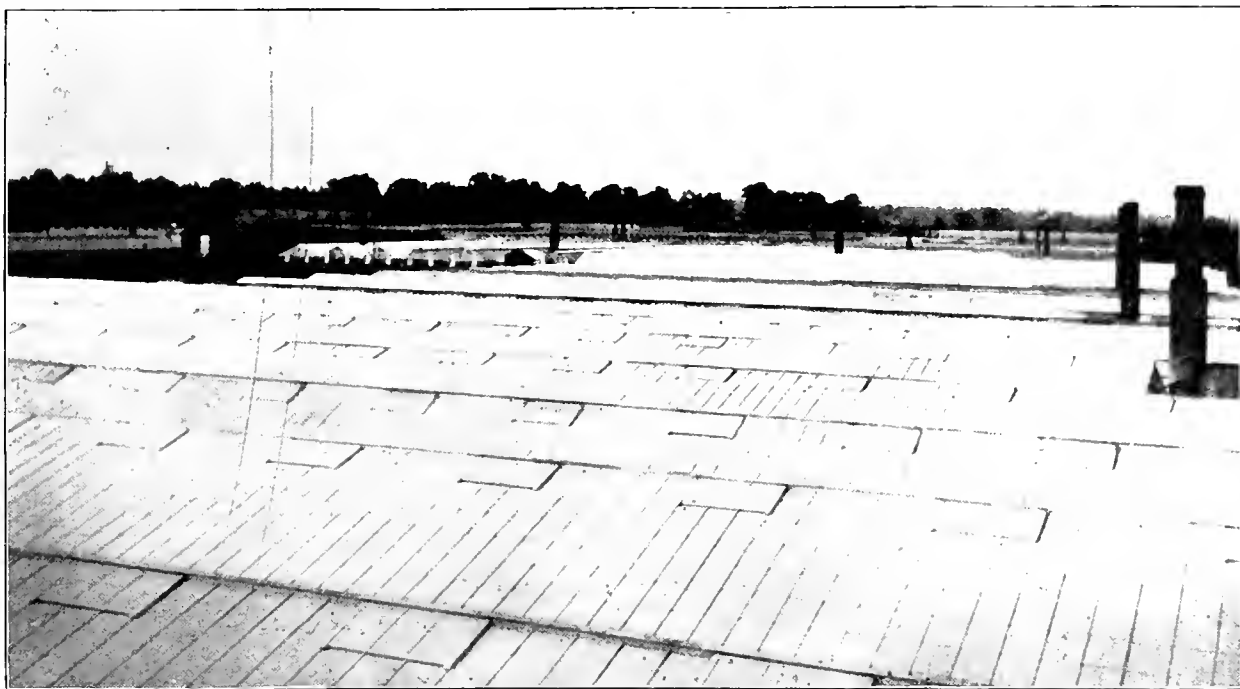
NEW YORK—Patrick O'Mara, care John Young, 51 West 28th St.

PHILADELPHIA—Edwin Lonsdale, 1514 Chestnut St.

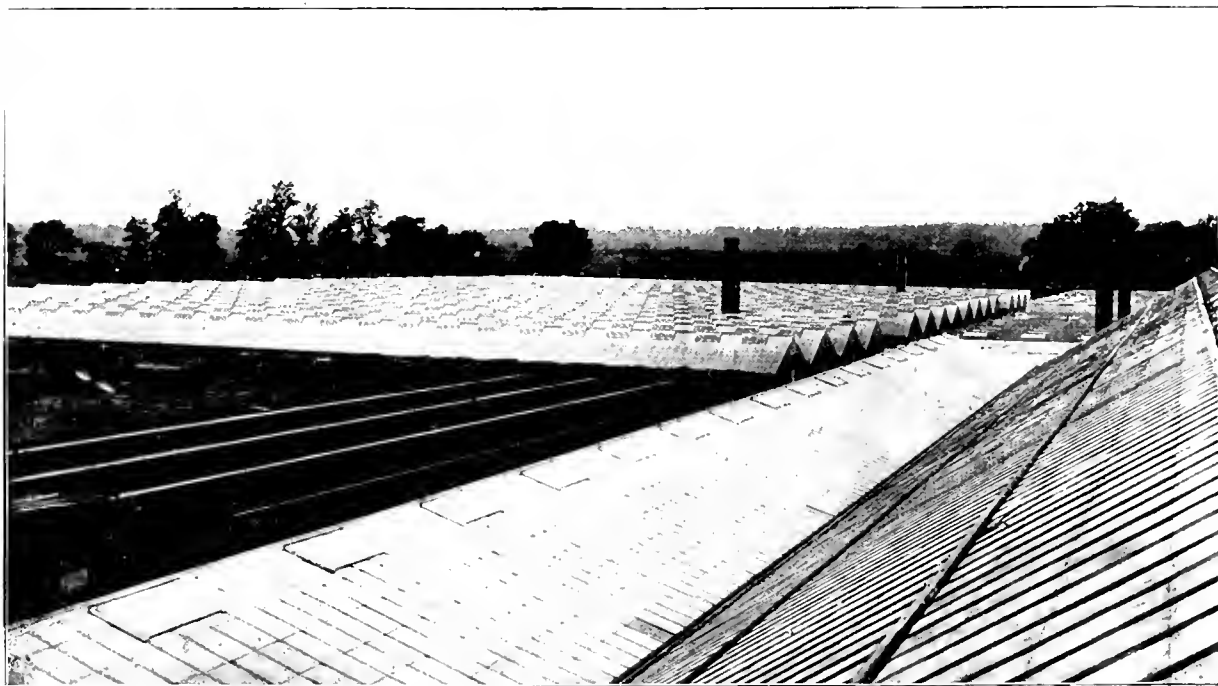
CHICAGO—R. Wiltersatter, Cor. 4th and Walnut Sts.

CHICAGO—W. N. Rudd, room 202, 185 Dearborn St.

For rules see AMERICAN FLORIST of Oct. 5, page 236, or address Elmer D. Smith, Sec'y, Adrian, Mich.



THIRTY-FIVE ACRES OF GLASS AS SEEN FROM TOP OF THOS. ROCHFORD'S LARGE PALM HOUSE.



A TWO-ACRE BLOCK AT THOS. ROCHFORD'S--AND ANOTHER SPROUTING.  
THROUGH AMERICAN EYES.

#### Common Plants for Odd Corners.

The following was referred to me from a subscriber in Spokane: "Will you please give us a list of common plants to grow in greenhouse during the winter for cut flowers, varieties that can be grown in odd corners, and between roses and carnations. There will be quite a demand for common cut flowers this winter, and we want to have some to meet it?" I hardly know what is meant by common. In the winter months after chrysanthemums are gone there are not many flowers much commoner than carnations.

Although I have occasionally spoken of plants that could be grown along the edge of a carnation bed, I am frequently censured for it. *Among them*, or roses, I don't believe in any crops excepting perhaps some gladiolus, which can be planted among the carnations in February, and will then flower in May. There should be no odd corners, all should be profitably occupied. Bulbous stuff, such as tulips, narcissus and Roman hyacinths, will grow in a very shady place during January, February and March, and occupy little room, as one crop only occupies the benches from 15 to 20 days,

but in winter months the tulips and narcissus require a strong heat. Everything that is worth growing is worth growing well, whether it be sweet alyssum or *Eucharis amazonica*.

A few plants that can be grown along the edge of the carnations is the double sweet alyssum, useful at all times. *Myosotis* will do in the same place, and from experience I say they do not interfere with the carnations. *Swainsona* is a most useful flower, and can be grown in a box or planted out at the end of houses where the temperature is from 50° to 55° at night. I have a large heliotrope plant

3 or 4 years old, at the west end of a carnation house, that is trained up the glass. It occupies no room that could be used for a bench, and many a dollar has been cut from it. Geraniums can be called a common flower, and for a certain class of business are very useful, but to grow good trusses of them in the winter months you would have grow them on just as valuable a bench as you would roses or carnations. Begonias of the different flowering kinds are fine stuff for mixed cut flowers, but they must have a good bench or you had better not grow them. A greenhouse will only hold so much at one time; when you begin to squeeze in more than is justice to your plants and expect paying crops of flowers you will be moving backwards. W. S.



Carnation Notes.

Plants being most all housed by this time staking, or better, properly supporting the plants will soon be necessary. One of the most essential points to promote growth, health and preserve buds and blooms, is proper support. Whatever methods are used, the following rules should always be kept in mind: First, the most important of all, freedom of growth; second, circulation of air under and around the plants; and third, no obstructions in cutting the flowers with any desired length of stem, each to work in conjunction with the other. Their habit of growing under glass shows a marked difference from the open air culture. They grow more drawn, stems longer, flowers larger, consequently are more apt to fall over, and lie in a tangle on the ground. The softer growth, with the close air of the houses in cold cloudy weather, tends to make them more susceptible to disease. Therefore we must keep the plants in a position where every part derives the benefit of air and light, so they can dry off in the shortest time possible after watering, and so the young growth can spring forth from every part of the plant, not only from a few limbs, which just happen to be uppermost, while the rest is left to rot. Soil and roots are just as well benefited by proper supported plants, for they need their share of air and light, as well as moisture.

I call it freedom of growth when the plants are in a position so every part can fulfill its functions unimpaired, and not to let them grow at random unsupported. For we must not forget that in a certain sense the greenhouse is a world of our own, we the creators, and must try to overcome some bad effects that unavoidably follow the transfer of a culture from the open air to under glass. The body of the plants should not be subjected to any tying or drawing together, for this will shut out air and light, these important elements which only have the power to allure the dormant eyes to break forth, grow into new branches, stems and flowers, and give us a continuance of blooms. They should be so supported that air can freely circulate under them. This will insure better root action, and at the same time helps to keep the foliage dry and avoid disease. Flower stems should be held in an upright position, but so that

the flowers can be cut without hindrance.

Many methods of support are in use at present, some practical, some otherwise; among them the tying to one stake is the most impractical, and more harmful than beneficial. A new wire support is recommended, and as I understand will be used largely in the east this season. As to its practicability I can not say anything, for I have not given it a trial yet, neither seen it in practice. At our place we use the A shaped wire netting between the rows to support the body of the plants and to give circulation of air under them. Above this we construct a netting of wire and twine for the support of stems and flowers, and if required a second tier of the same above the first. I have found this very satisfactory, fully adequate to the conception of a practical support. An illustration appeared last fall in this paper explaining the procedure of this method. I will only add that it is very easily put up, and does not take half the time to do it that a good many may imagine. It involves an expense to procure the material, but once in possession it can be used for years, if proper care is taken of it. We have to figure and keep expenses as low as possible, but money spent in improving a system material to the production, is always well spent and will bring its returns.

Plants potted now and stored away in cold frames so they have a chance to establish themselves in the pots, and where they can be protected from frost, make excellent stuff to plant on the chrysanthemum benches. These plants being rested to some extent and transplanted from pots, will grow right on, and will furnish excellent cuttings at the right time, or are good for late winter and spring blooming. We always pot enough to fill our two chrysanthemum houses, and use them exclusively for cuttings, afterwards throwing them out to make room for spring bedding plants. FRED DORNER.

#### Planting Carnations on the Bench.

How far apart should carnations be set on the bench? I have always set them ten inches apart, but others say that six or eight inches is enough. What is the general practice of the best growers? It has always seemed to me that in planting one must consider the space the plants will fill when they have attained their greatest size, in the spring, when it is necessary to work the ground and apply dressings to insure a good crop for Memorial day. I have also always held that there should be sufficient space between the plants so that no buds and foliage may be injured. Taking everything into consideration isn't twelve inches about the proper distance apart? W. B. SLADE.

We plant our carnations in rows across the bench 12 inches apart and 10 inches in the row, and if strong growing varieties 12 inches each way. There is nothing gained by close planting, when one expects to cut flowers from October to May and as late as August. The gain of some flowers through November and December will not compensate for the loss to follow from Christmas to Easter, not to speak of the inferior grade of flowers produced, and consequent smaller returns. For a succession of good blooms the plant must have ample room to keep in a healthy, constant growing condition, for if crowded, it will become stunted, soft and spindling, and diseased.

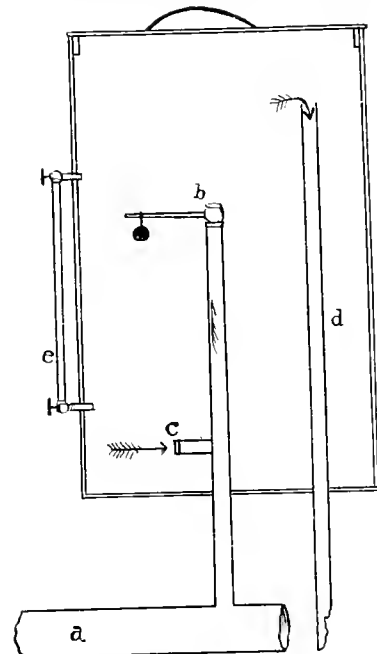
FRED DORNER.

#### Changing From Steam to Hot Water.

In No. 374 of the FLORIST appears a query about changing steam heating to hot water with answer, etc.

I have had such change done this fall in a simple way, which works so satisfactory that I feel I must let the readers of the FLORIST know about it.

I had a tank of galvanized iron made like cut, and connected with the main



- a. Main pipe.
- b. Safety valve.
- c. Check valve.
- d. Overflow.
- e. Glass gauge.

pipe on the highest point from the boiler, in this instance about 50 feet from boiler. The safety valve in the tank is set at six pounds pressure, which gives a pressure of nine pounds on the boiler, thus heating the water to a higher degree than open pressure would. The check valve at bottom of tank refills the pipes when the water cools off. The overflow I have connected with a drain, but that can be taken care of in other shape, as very little water need to overflow.

No valves are needed, as the safety valve can be set for any steam pressure needed. I have no check valve at the boiler, so I don't need any extra return pipe.

GUST. MALMQUIST.

#### Tobacco Dust and Insects.

"R. K." sends the following: "I would like to know from brother florists whether it will injure any kind of plants to put tobacco dust on them to kill insects, and what is the best thing to kill the insects on plants." It's a pity "R. K." did not tell us what particular insect his plants are suffering from. I am not aware that tobacco dust is injurious to any plant if used in reason. It would be bad form to dust it on delicate ferns, but as they are seldom troubled with aphids there would be no need of it. It is used largely for keeping the black fly off chrysanthemums, but is not nearly as good as the fumes of tobacco. To say what is the best remedy for the various insects that infest our plants would be a long story; briefly I would say for the different kinds of aphids there is nothing equal to tobacco smoke. For red spider cold water vigorously applied with a hose or syringe. The





A SIDE AISLE IN THE MAMMOTH PALM HOUSE AT THOS. ROCKFORD'S.  
THROUGH AMERICAN EYES.

fumes of sulphur will kill red spider, but its application is dangerous. For mealy bug a kerosene emulsion, either applied with a syringe or sponge. For thrips, not so often seen, but very bad when you do have it, the kerosene emulsion is the best thing I know of. This last pest is mostly seen on hard-wooded plants, and if the proper amount of syringing has been done they are not likely to appear.

W. S.

#### Miscellaneous Seasonable Hints.

If you grow any quantity of poinsettias and have not just the light warm house they need select the best and healthiest looking, and give them a favored spot. If any are showing signs of exhaustion by yellow leaves, then plant them out in 5 or 6 inches of soil on a bench. You will be surprised at the result. The failure with these now popular holiday plants is not always because they have a low temperature, but more often because they have exhausted the soil. If you will plant out a few in five inches of soil you will see that they produce bracts from 15 to 18 inches in diameter. Keep them well fumigated; if you do not greenfly will get in their work and destroy the young bracts on which all their attraction depends. A slight word here will I hope be excused even if it is philosophical. All animated nature can endure vicissitudes much better when in a robust condition than can the same species when, in plain words, they are sickly or enervated. By this I mean that a poinsettia whose native temperature is 70° at night and 90° at day in Mexico and the West Indies will if well fed at roots thrive at a much lower temperature, but if you starve it at both roots and lungs you will have a sickly patient.

We have not yet had weather severe enough to injure the foliage of cannas, but

most likely one of these killing frosts will occur and kill all there is ornamental about them. Some of you will be wondering where is the best place to winter the roots. The advice I am going to give is not for those who grow thousands, but for those who grow hundreds. After many trials the best I can recommend is beneath a rose or carnation bench. When lifting the clump cut off the tops to about eight inches of the roots, then place them under a bench, but do not let the roots touch the soil, or they will begin to grow. Place a few boards on the ground, and the canna roots will have no chance to feed on the surrounding moisture. The same conditions will suit the caladiums, although for the latter I don't believe it pays to bother about them, as they can be bought so very inexpensively in the spring from people who have made a business of wintering these bulbs.

Look out for lilies in the cold frames. We will soon expect a hard frost, and that would do them much injury, as experience last year proved. The lilies I allude to, *Harrisii* and *longiflorum*, are perhaps hardy in this latitude, yet they are not hardy under the conditions in which we handle them. The lilies I have alluded to would be if planted in a border, scarcely showing their heads above ground, and would have a natural protection of leaves, while we cover them with glass, and if a hard frost strikes them it will do them much harm.

Don't cover up your pansies until severe frost occurs. You can hurt them with a covering by inducing too rapid a growth, and they will suffer accordingly in the winter.

Now is the time to look after the young pelargoniums which you propagated in August or September. They are not like the common geraniums, which can be kept dormant all winter and make an accepta-

ble plant in May. They must now be shifted into a 4 inch pot and encouraged to grow till the dark and dismal days of winter appear. The pelargonium (so-called) in its habit is entirely different from the ever-will-be-popular plant the geranium, which can be by good management kept almost dormant for three or four months of our dark winter.

WM. SCOTT.

#### Decorative Plants for Dark Situation.

Please give me a list of decorative plants aside from palms and ferns which will do well in rather dark and shady rooms. We have decorations in public dining rooms which are rather dark.

We have some rubbers, the lower leaves of which have been burned by the sun and are spotted. What would be best to do with them in order to get them in presentable shape to use for decorating? They are quite large plants and we do not like to throw them out. Could the burned leaves be used for propagating? If so what is the best way to propagate?

WILLARD SMITH.

Aside from palms and ferns the following plants are among the best that are available for decorating rather dark and shady rooms, viz.: *Aspidistras*, both green and variegated, these being the toughest of all plants for the purpose, *Aralia Sieboldii* and *A. Sieboldii* var., *Farfugium grande*, *Dracaena indivisa*, *Cycas revoluta* and *Aucuba japonica*, and to these may be added a few nice little plants of evergreens in pots, for example, some *retinosporas*, *thuyas* and *cryptomerias*.

The best plan to follow with the *ficus* would be to cut them back quite severely, then place them in a rather warm house, the warmest end of a rose house would answer, and they would soon break away

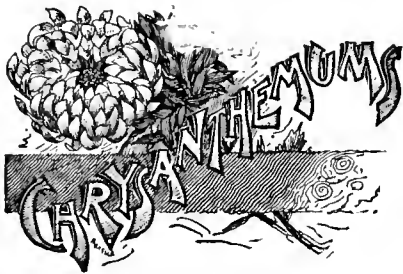


and form useful bush-shaped plants in a few months.

The leaves alone are of no value for propagating, but the tops could be used for cuttings, and in case such use is to be made of the shoots it would be best to defer the pruning until about the middle of January, that being a favorable time for rooting the cuttings.

Topping is frequently resorted to as a method of propagating ficus, and is perhaps the safest plan, this operation consisting of a cut about half way through the shoot, the cut being preferably near a joint, then binding up the wound with enough damp moss to make a lump about the size of a hen's egg, and the moss being kept continually moist usually induces the formation of roots at the wound in three to six weeks, when the shoot may be removed from the plant and potted off.

W. H. TAPLIN.



#### Chrysanthemum Notes.

As the nights grow colder see that the dew does not fall upon the flowers. This is the great cause of petals damping, as it is termed. If it is impossible to give heat enough to keep the air in circulation throughout the night it is advisable to leave on a little crack of ventilation, which is sure to keep them dry.

Now is the time to correct mislabeled plants, and compare the new sorts with the descriptions, to see if they are true. Attend all the exhibitions you can conveniently; they are certainly good schools, and we all have a great deal to learn. If this cannot be done endeavor to visit a neighboring florist who grows good chrysanthemums; it will surely give pleasure and more than likely be profitable.

ELMER D. SMITH.

#### Blooming Late Chrysanthemums.

Is there any way to make the late varieties of chrysanthemums, propagated about February 15, bloom in October?

G. H. M., Jr.

Late varieties may be induced to flower the last days of October, by special treatment. To hasten the setting of buds give abundance of air; keep them rather on the dry side (not so much so as to cause the plants to wilt, but avoid heavy watering), and take early crown buds. There

is no way to force flowers in on short notice. The best way is to secure early buds, and then encourage with a little heat at the last after color is quite pronounced.

ELMER D. SMITH.

#### Violet.

Shall I remove the little runners now three or four inches long from Marie Louise violets planted in solid bed September 1st from 3-inch pots, having been grown indoors all summer? They are growing finely and full of buds. Allowed no runners to grow until planting in the bed, but each plant now has from four to a dozen. Should they be pulled off close to the plant, or cut at a certain distance.

C. L. D.

I would reply that the weakest runners may be pulled; but those of good size should be cut with a sharp knife quite close to the plant; if large runners are pulled from a plant it leaves an ugly wound to heal, and if moisture be applied at the same time, the probability would be that the plant at that part would develop rot. A plant that will show an abundance of runners, with proper treatment, will give an abundance of bloom. Keep them as near 45° as possible.

GEORGE SALTFOED.

#### New York.

The cold weather has put an end to the outdoor flowers, and has shortened up the supply of roses and carnations considerably. Better prices have prevailed for the past few days, and stock of most kinds has been cleaned up each day in a fairly satisfactory manner. Carnations have been really scarce, and for the present there is no indication of overstock. American Beauty is improving in quality, and maintains a firmer price, when in first grade. The market is undecided as to chrysanthemums. There has been no special demand for them as yet, and the growers who have brought in early blooms have been obliged to accept much lower figures than they have counted upon for their stock. It is a difficult matter to get over \$25 per hundred for anything in the chrysanthemum line that has appeared so far. Violets are still of poor quality. The first orchids in the market for the season are being received by John Raynor. They are *Cattleya labiata* in many fine shades of color.

Many of the carnation growers have had trouble in transplanting their carnations from the field, on account of the very dry season, this being specially true of those whose soil is of a clayey nature, and the heavy rains that have just been experienced will have come very acceptably to those who had delayed taking in their plants.

At the New York Florists' Club on the evening of October 14 it was announced

that arrangements had been made to hold an exhibition in Concert Hall at Madison Square Garden under the auspices of the Live Stock Society of America. Premiums to the amount of \$1400 are guaranteed, and Mr. J. I. Donlan has been selected as manager. Intending exhibitors should address all correspondence to him at Scarborough, N. Y. The date of the show will be November 26-30.

A communication from the Philadelphia Gun Club inviting the New York Florist's Club to be represented by a team or individually at the tournament which is to take place on November 6 at Wissinoming, was received favorably, and the Philadelphia brethren can depend upon seeing a fair delegation of New Yorkers participate in that interesting event.

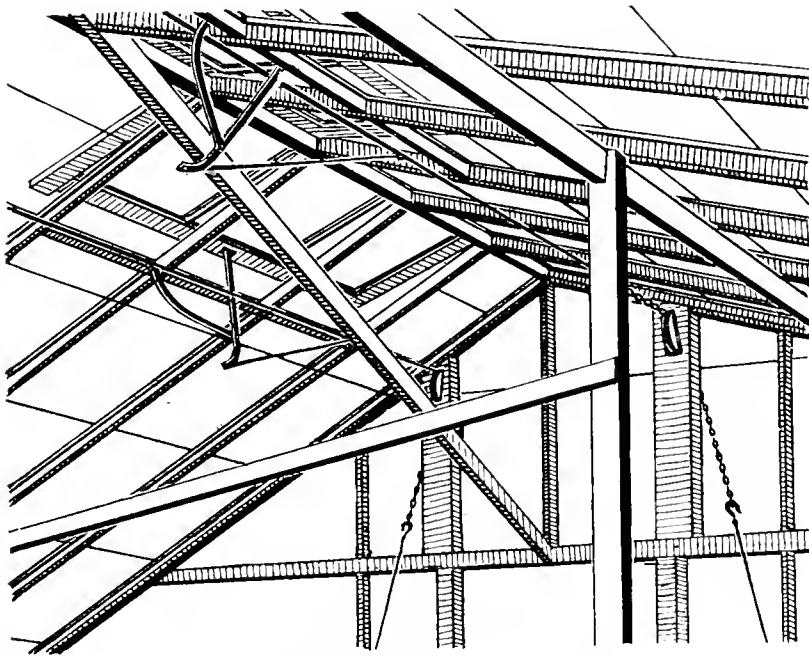
It was announced that the committee intrusted with that duty would be in session each Saturday in October and November up to November 23, to examine and pass upon seedling chrysanthemums. Exhibitors are requested to send the blooms for this purpose to the secretary, John Young, 51 West 28th street, New York.

The event of the evening was a talk upon "The Progressive Development of Plants," by Mr. Leonard Barron, editor of *American Gardening*, the matter being forcibly illustrated by means of diagrams and charts. The evidences and teachings of geology were taken to show the vastness of time which has elapsed since plants have flourished on the earth. Commencing with the theory of the gradual cooling down of the earth's body it was argued that water was at one time in the ascendant and that only as the ages succeeded one another did the proportion of dry land and atmosphere increase. The first traces of plant life were of a purely cellular nature and the lecturer traced up step by step the gradual onward march of types through mosses, ferns, equisetums, lycopods, cycads and conifers to the conspicuously flowered plants which constitute the striking feature of the vegetation of this era. It was shown how the tendency is ever towards specialization of certain parts for particular purposes, better fitting the individual to fight the battle of life. Attention was drawn to the development of special organs for feeding, and as concerns the arrangements for reproduction of the species by fertilization the gradual development of the essential organs together with a comparison of those of the various groups of plants was explained, and it was shown how the arrangements for cross-fertilization in ferns could take place, this matter being illustrated by magnificent colored charts.

H. C. Seinhoff has *Harrisii* lilies already in bloom at his place in West Hoboken. He forces some 50,000 lilies every year, and this lot of 8,000 early ones was planted about June 20, being the first invoice to come from Bermuda this year.



THE FLOWERS THAT BLOOM IN THE FALL.—Chicago Times-Herald.



THE ROCHFORD VENTILATING SYSTEM.  
THROUGH AMERICAN EYES.

Mr. Steinhoff has a splendid lot of Dutch longiflorums which were sent to Bermuda and grown on for five years. He regards the true Bermuda longiflorums as the best of all, however, but says that they are mixed with the others in the field, and it is impossible to get the Bermuda growers to select them out. If they could be selected, he would gladly pay an advanced price for them. He has a big house of chrysanthemums in all the best varieties, coming on. Kate Brown is the earliest here, but shows the center of the flower too much to rank very high.

J. Leuly's establishment is close to Mr. Steinhoff's, and here is seen the rare sight of a house full of enormous camellias, reminders of the good old times when the growers of this old-time favorite waxed fat at the rate of 50 cents a bloom. A bench of *Daphne odora* and a house of handsome ardisias are among the attractions, not the least of which attractions is the famous captain of the New York bowling team, Mr. E. Leuly himself.

Rudolph Asmus grows a few chrysanthemums, his earliest varieties being Kate Brown, white, and John E. Lager, yellow. Yellow Queen will be considerably later than these varieties, and does not appear as promising as its reputation of last year would warrant. Roses are looking well here, especially Meteor, of which there are two large houses. Mrs. Morgan is showing up finely, and Mr. Asmus looks upon it as a winner. He has discarded the automatic ventilator on account of its failure to fully close the sashes.

M. Hansen, who is a neighbor of Mr. Asmus, has chrysanthemum Mrs. J. G. Whilldin almost ready to cut, and places it first among the early yellows. He has a fine pink sport from Ivory, which he has grown for three years, the stock now numbering about 2,500 plants. The color closely resembles that of Vivand-Morel, and the variety is in every other respect identical with Ivory, excepting that it is possibly a little stronger grower.

It will take 50,000 plants to fill Van Rzyper's twenty carnations houses at Belleville. He is only now planting in, having been prevented from doing it earlier by the baked condition of the soil in consequence of the dry weather. Most

varieties have made splendid growth in the field, however. Daybreaks are particularly full and stocky. There are 25,000 McGowan; these too have done well. Among the new varieties he speaks most highly of Peachblow. Thompson shows a disposition to burst the calyx. There is no rust to be seen on any of the plants. Mr. Van Rzyper recommends as the most effectual remedy for rust, lime freshly air-slacked, thoroughly dusted over the plants.

Dailledouze Bros.' specialty for this season is Merry Monarch, a creamy white chrysanthemum of pronounced Japanese type, from which they have been cutting heavily for some time. A yellow sport from this variety is in training for the future. Marie Henderson is, in Eugene's opinion, the early yellow up to date. For early pink they have been cutting Marquise de Montmort ever since October 1. This is equivalent to an undersized Vivand-Morel. J. H. Troy shows immense buds, and Harry Sunderbruch will be as fine as ever. In carnations the sensation here is Fred Weir, of which 2,000 plants are being grown. This variety is deeper in shade than Daybreak with traces of salmon in the color; a very large flower and deliciously fragrant. Among the new varieties, Crystal, Armazinda and Peachblow are from present appearances entitled to a place at the top of the list. Rose Queen is in doubt as yet. A large number of seedlings are being tried, one of the most promising being of the rich dark crimson color so much needed.

Alex Burns has made great improvements in his establishment at Woodside during the months since retiring from the commission business. Benches have been re-built throughout and city water has been put in. Personal attention pays here as well as elsewhere, and the stock looks well all through. La France is Mr. Burns' favorite rose for profit. He expresses disappointment with the new rose Belle Siebrecht on account of inability to get long and strong stems. Wm. Scott is the favorite in pink carnations, and Mrs. Fisher in white. Mr. Burns does not tamper with early chrysanthemums. He pins his faith to the very latest varieties he can find.

Jas. A. Hammond has left the New York Cut Flower Co. and entered the employ of Theo. Roehrs.

Visitors in town: A. N. Pierson, Cromwell, Conn., P. Welch, Boston, J. C. Hatcher, Amsterdam, N. Y., Henry Burt, Syracuse, N. Y.

#### Boston.

The flower business is looking up. Eight degrees of frost and six inches of rain have made a clean sweep of everything unprotected and sent the customers into town with a yearning for flowers. The retail florists report improved trade in consequence and growers begin to wear a hopeful look. Carnation growers are more than hopeful; they are independent and aggressive. With Scotts and Nicholsons up to 2.50 per hundred this is not surprising. The chrysanthemum begins to loom up in all directions, but nothing startling in the way of prices is yet experienced.

Lawrence Co. is cutting Mme. Bergmann and Yellow Queen. These are his earliest chrysanthemums, and they will be closely followed by Ivory and Harry Sunderbruch. The Ivories are the best he has ever grown, and Eugene Dailledouze and Vivand-Morel appear exceptionally fine. J. H. Troy is badly affected with the rust, and the trouble has spread from it to other varieties growing near it. Mr. Cotter does not look for sensational prices on chrysanthemums this year. He says that twenty-five cent American Beauties are what the florists are looking for now, and that if he only could supply enough of them he would have corns on his hands as a result of shaking hands with the retailers.

Visitors in town: Winfried Rölker, New York, C. D. Thayer, Worcester, and C. B. Weathered, New York.

#### Philadelphia.

Trade is brisking up considerably, and there has been quite a hustle for some kinds of flowers. Valley is quite scarce and there is not near enough for the demand; \$4's now the price. Good carnations are in demand in excess of the supply, in fact fine white or even poor stock are very scarce. Prices have advanced to \$1.50 for the first choice, with some of the favorites bringing \$2. Roses are selling well and prices have moved up a peg, the best teas bringing \$4. Beauties, first grade bring \$2 per dozen, and some of the stock is beginning to look like the queen that it is. This rose is selling better than ever; there are 50 per cent more Beauties grown about here this year than last, and still there is a scarcity. The 'mums are slow in making their appearance. A few Gloriosum are to be seen, and some Bergmann, R. Craig having a few choice flowers of the latter kind. George Campbell has sent in some nice Bergmanns in pots, and Scott & Son are also cutting a few early kinds; by next week there will no doubt be a change and some good flowers will be seen.

The Pennsylvania Horticultural Society held its monthly meeting in the rooms of the College of Physicians last Tuesday evening. The coming chrysanthemum show was discussed and reports of committees received. From these it looks as if the exhibition would be a good one. There is to be a concert every afternoon and evening of eleven pieces, and on Thursday a special orchestra of twenty-four pieces will perform.

A surprise was sprung on the meeting by Secretary Farson, who tendered his

resignation as secretary of the society. Mr. Craig, in asking him to reconsider, said that it was with great regret that he learned of Mr. Farson's purpose; he had served the society faithfully and efficiently for nine years, and he hoped that he would see his way clear to withdraw his resignation, but Mr. Farson having fully made up his mind said that he hoped the society would accede to his desire and his resignation was accordingly accepted. An election for secretary to serve the unexpired term was immediately proceeded with and Mr. George C. Watson was elected to this office. Mr. Farson was for a long time previous to his being elected secretary of the society engaged actively in the business, being a retail grower. It is rumored that he leaves his present position to engage in the business again, this time as a retail dealer or storekeeper. We extend to him the right hand of fellowship and wish him every success in his new venture.

Mr. Thos. Cartledge and daughter are doing the Atlanta Exposition, leaving for the south last Tuesday evening; they expect to remain a week.

Wm. Joyce, so long gardener to Mrs. Baldwin, has taken charge of the greenhouses of Mrs. H. C. Gibson in this city and Wynnewood.

John Burton has been confined to his room since his return from Buffalo. He has malaria, and this has totally unfitted him for business. He is slowly recovering and hopes to be about soon, at any rate in time for the shoot on Wednesday, November 6. K.

#### Buffalo.

The worst frost we have had was that of last week, when the Philadelphia shooting team beat the Bisons by a score of 104 to 67. They arrived here on the Thursday night train, and for fear they would lose their way in a large town Mr. Long and Joseph Rebstock guided them to a good hotel. The following morning was spent in visiting the flower stores and a gossip. At one o'clock p. m. (not a. m.) the buggies, carriages, wagons, etc., of the local florist assembled at the Iroquois Hotel, and we hope a pleasant ride of two hours was taken, and at its conclusion the shooting grounds were reached. I want to say that it does not take two hours to reach the grounds, they being only 35 minutes ride from the N. Y. C. R. R. depot, but the route taken on this occasion was serpentine, thus the time went. Too much detail would not be interesting to your readers, suffice it to say that we were not in it. The match was at 25 Peoria blackbirds, 5 traps, and known angles, the prize glory, and the score as follows:

PHILADELPHIA.		BUFFALO.	
George Anderson	12	J. H. Rebstock	10
A. B. Cartledge	14	Wm. Scott	10
Lemuel Ball	13	S. A. Anderson	9
W. K. Harris	15	Phillip Scott	10
John Burton	17	George E. Troup	7
Charles D. Ball	15	James Braik	13
George Craig	18	Wm. Kasting	8
	101		67

So it will be seen that on our own grounds we could not cope with these crackajacks from the city founded by Penn. After the match was over everybody was invited to join in and shoot another 25 birds, the man making the highest score to receive a meerscham pipe for his superior ability. This contest brought in W. J. Palmer Jr., W. A. Adams, old man Troup and several other local men who think they can shoot. Now who do you think, of all people in this world, would win that pipe? It was

Livistona rotundifolia C. D. Ball, with a score of 18. John Burton shrugged his shoulders, winked his legislative eye and remarked "He can't do it at home." John wanted that pipe, and do you forget it. Dan'l B. Long can't shoot, at least not up to date, but he can keep score and be master of ceremonies to the queen's taste. Nothing very comical occurred worthy of note. The spectators seemed most amused at the attitudes of Mr. Harris and George Anderson. When the former says "pull" his expression and attitude would lead you to believe that he expected a 10 feet tiger to jump out of the trap, and that he had to meet him in deadly conflict, but this is characteristic of the man, and from results I believe he puts the same energy into growing a rubber tree.

What gave tone to the whole proceedings was the presence of Mrs. Burton, Mrs. Cartledge and Mrs. Anderson. Mrs. C. F. Christenson and Mrs. Wm. Scott were also in the party and rooted for their respective sides. Mr. Burton and Mr. Christenson were altogether the ladies' men of the day. Sol Smith Russell had the honor of playing before a select aggregation of ladies and gentlemen in the evening and a dozen of the audience was composed of Buffalo florists and their guests. The remainder of the visitors, with a large party of local men; indulged in a game of bowls. Mr. George Fancourt of Wilkes-Barre was here and his sympathies were equally divided. The local craft turned out in good numbers, one man was missing, Edward Mepsted was on a visit to friend Crowe of Utica. The following morning the visitors departed for a visit to Niagara and we all hope they enjoyed every part of the trip.

I forgot to mention earlier that Edw. I. Mepsted and George Asmus have started business together at 472 Main street. They have a fine window and well equipped all round. W. S.

#### St. Louis.

Since the cold weather has made its appearance business has improved considerably, a call on the different establishments finds them all in better spirits than for some time. The commission men also have a smile on their faces and say they sell out clean every day—what more can they ask for? Roses are in good demand, Meteors, Kaiserins, Bridesmaid and Beauties are the ones that sell the best. In carnations, Wm. Scott is the most popular outside of Daybreak. Whites are very scarce. A few 'mums have made their appearance, Kate Brown and Yellow Queen are the only ones so far. The 'mums from the south look bad from the dry spell they have been having.

The chrysanthemums here are all late this year, and nearly all the florists claim they will not be in good shape for the show. A visit to the different places finds the 'mums looking well, but all the early varieties are late; good clear days should bring them around all O. K. in time for the show. At Mr. Schray's place his regular house of chrysanthemums for cut flowers is in fine shape; the varieties are Whildin, Gloriosum, Kate Brown, Mrs. E. G. Hill, W. R. Smith, C. Challant, and W. N. Rudd. Mr. Andrew Meyer has chrysanthemums of all kinds, and in tip-top shape, but with the same complaint of lateness. At Fillmore's, C. Young & Son's, Connon Floral Co.'s, Michel Plant and Bulb Co.'s, and Max Herzog's we find the chrysanthemums looking at their best; they all expect to make large exhib-

its at the show. R. F. Tesson's roses are again at their best; "Bob" expects as usual to take all first at the coming show.

The thirty-fifth annual fair of the St. Louis Agricultural and Mechanical Association was held during the past week; they offered \$341 in premiums for plants and cut flowers. C. Young and Sons captured all the firsts except for basket of roses, Mrs. Rotter getting first. C. Young & Sons had no competition except on basket of roses. Prof. Trelease of Shaw's Gardens was the judge of plants and cut flowers.

The regular meeting of the Florists' Club last Thursday afternoon was not so well attended as it should have been, it being a holiday; perhaps most of the members went to the fair. But those who did come had a good time. President Fillmore was in the chair and transacted the usual business. Mr. Walter Ritzer made application for membership. Mr. E. H. Michel, manager of the chrysanthemum show, addressed the meeting; his subject was what we must do to make the show a success. It depends upon the florists of St. Louis, and he asked them all to put their shoulders to the wheel and push it along. At the next meeting of the club Mr. Michel will read a paper on how to run a chrysanthemum show successfully, and Mr. F. W. Ude, Jr., of Kirkwood will read a paper on how to grow carnations profitably. This alone should bring a large attendance at the next meeting, which is on the afternoon of November 14, one week after the show.

C. Young & Sons are out with an invitation for a free chrysanthemum exhibition at their greenhouses on Union avenue Thursday, Friday and Saturday, November 7, 8 and 9.

At the Bowling Club Monday two full teams rolled; the Chinese won three games by a score of 3098 to 2780. Here are the scores of all the men who rolled:

JAPS.				
	1	2	3	TOTAL
C. A. Kuehn	190	139	135	464
J. Young	135	190	128	453
C. C. Sanders	153	154	141	448
J. J. Beneke	160	186	151	497
F. Fillmore	172	122	142	436
A. Waldbart	177	174	131	482
Totals	987	965	828	2780
CHINESE.				
	1	2	3	TOTAL
E. Schray	182	173	198	553
F. Weber	190	143	188	521
C. Beyer	161	209	216	586
H. Young	186	192	176	554
J. W. Kunz	153	163	173	489
Tom Peterson	144	148	130	422
Totals	1019	1028	1081	3098

Connon Floral Co. have opened a branch at 4238 Olive street.

Mr. Joe Rolker is in town in the interests of his firm.

E. W. Guy, of Belleville, Ill., is putting in a new boiler. Mr. Guy has been very sick but is out again, and says that he will be heard from at the 'mum show.

Tom Carroll is very busy digging a pond for water. Tom has been having lots of trouble this summer for water; his carnations had to suffer a great deal. He will soon be in the swim again after the pond is filled. J. J. B.

#### Pittsburg.

The florists and growers report a steady demand for flowers, the great number of weddings and social functions occurring have given to all a good business, and it looks as if it would continue for some time, judging from the many announcements made recently.

Mrs. E. Williams of the South Side has about finished a large addition to her place, increasing the capacity over one

hundred per cent. She has erected five new houses, each 100x20 feet; they are to be used for roses, carnations and chrysanthemums, these are heated by steam, and she has changed the heating system from the flue to that of steam in the other seven houses. In a few weeks she will give her annual chrysanthemum show at the store room on Carson street, and it is expected to be well worthy of a visit, as those formerly given have been very highly praised.

Mr. John Herron, the vice-president of our club, last week suffered a very great affliction in the death of his daughter Nellie; she was about 19 years of age and a very estimable young lady. He and his family have the sincere sympathy of all his brother florists in his very great bereavement.

REGIA.

## Toronto.

The Victoria Club gave an "at home" (the first of the season) last week, at which most of the fashionable people of the city were present, and one of the papers says that "flowers appear to be in greater favor as a garniture than they have been for many seasons." This is cheering, and promises well for later on.

Mr. G. H. Mills is bringing in some very good white chrysanthemums of a kind not seen in this market before, the name of which I could not learn. Mr. M. appears to be the sole possessor of it here. It is of fine form and foliage, and sells well. Talking about carnations with Mr. Mills, he told that after trying almost every known method of tying he has adopted a plan of his own. He stretches wires lengthwise along and above the benches, and between each row of plants, then he places strips of wood one-fourth inch square at right angles to, and above and beneath each wire alternately between each row across the bench. This seems to be very simple, and as no tying at all is necessary should save much time. Mr. Mills says it works to perfection.

A sorry spectacle was the long looked for and much talked about investigation by the Parks and Gardens Committee into the alleged misdoings of their commissioner. When one gardener seeks to publicly defame, and if possible to take the bread and butter out of the mouth of a brother gardener, it is time for someone to protest, and many of the principal gardeners and florists did protest against Mr. Laing's action in bringing his so-called charges against the Commissioner of Parks and Gardens both by their presence and by word of mouth. It would not be worth while to give full particulars of the inquiry here; suffice it to say that after examining into all the charges the committee completely exonerated Mr. Chambers from all blame, the only thing proved for which any blame could be possibly given being that he planted one tree belonging to the city for the city surveyor on his lawn. There was a long discussion on the charge that Mr. Chambers had pocketed for his own personal use about \$300 a year in prize money, and the committee asked the opinion of many of those present on the advisability of allowing public institutions exhibiting for competition. One florist thought that they should be allowed to exhibit, but not for competition (plum pudding with the plums left out); all the others thought that they should be allowed to compete for prizes, as they exhibited large specimens of plants of which the florists had smaller ones of a salable size; that it did not pay florists to grow large specimens, and that the shows would be nothing without them. Mr. Chambers proved

that he had bought new or rare plants with some of his prize money and given some of it to his assistants, the rest being used to pay expressage in carrying plants to and from the shows. And now perhaps I may be allowed to remark that Mr. Laing would serve the interests of Toronto taxpayers a good deal better by attending strictly to his own business than by trying to pick holes in the characters of his brothers in the profession. Mr. Laing will probably think that he did not get justice at the investigation, the room being packed with those unfavorable to his contentions, who he said were present on account of past and with the hope of future favors from Mr. Chambers. I can quite conceive how Mr. Laing might make the mistake, as he is not a gardener or florist "to the manor born," and cannot understand their ways and customs, but I can assure him that those present did not go there on account of favors past and expected, and even only for the purpose of showing their friendship for Mr. Chambers, but they went there more especially as a protest against his action in bringing on this investigation. Mr. Laing had the same chance to pack the room with his friends. Where were they? Why did they not come? Enough said. Now let us have peace. E.

## Rochester, N. Y.

Trade in flowers has been very good the past week, and the demand for good stuff was ahead of the supply. The scarcity of A1 roses was felt by every retailer, and high prices were paid for all those available. I think it would pay some of the large rose growers east to ship some of their goods to this place, instead of sending to a market often flooded with an over-stock, for here we very seldom, if ever, have too many roses of first quality, although at times second grades are abundant and many occasionally find their way to the ash barrel. Carnations are not up to perfection yet, but all sell well enough, there being no superior stock to be had. Portia is the only one which does not go off very fast; there is a limited supply of Lizzie Gilbert in the market, and these are taken up as fast as they come in. If this fine carnation keeps on as it promises now we shall at last have a good scarlet to depend on in place of old Portia; it is a splendid strong grower, and the present indications are that it will keep on blooming freely throughout the season. California violets are improving in size slowly, the stems are all that can be desired, stiff as wire and 9 to 12 inches long, but the color is rather too light and undecided as yet, but fragrant they are, and there is some hope as the weather grows cooler that the lower temperature will materially improve their color. Otherwise they will have to take a back seat whenever the darker and double varieties come in more plentifully. One of the drawbacks of this variety will be its coarse and rampant growth; the plants grow too much into foliage, and up to date have not come up to expectations neither in blooming quality nor in the size of flowers, at least in this section, although as I said before, it is rather early in the season to pass an opinion.

Chrysanthemums are coming in slowly and in some places are very backward for some reason, while in other establishments the earlier varieties are coming on fast now. There is still a limited supply of dahlias, gladiolus, tuberose, asters and miscellaneous herbaceous stuff from outdoors. *Anemone japonica alba*, where

it was protected from wind and frost, is in good shape yet; an easy way to protect these useful flowers is by using lath shades, such as we make of the ordinary building or plastering lath, 4 feet long, nailed to strips of any desired length, setting these up A shape over the rows will effectually shelter the flowers from winds and frost, so that they will continue in bloom long after the unprotected rows are destroyed by the cold.

Plant business in palms and other decorative plants used in dwelling houses is beginning to set in, and the demand for such is growing more and more every season, also the filling and replenishing of fern dishes and jardinières is on the increase, and thousands of small ferns are used up for this purpose. A new and very pretty way of filling these dishes is adopted in some stores this season, by using a dwarf variety of *Solanum pseudocapsicum* in fruit as a center plant, surrounding it with the compact and dense growing *Nertera depressa*, or with *Lycopodium*. One of these dwarf solanums surrounded with small holly ferns (*Platy-lome lalcata*) looks decidedly novel and neat, and can safely be recommended for the table; it retains its beauty for a long time in the dry atmosphere of a room, much longer than mixed ferns, and this style is very much in favor this season.

Jas. Vick's Sons have removed from the old seed house on East avenue into more commodious quarters, situated opposite the New York Central R. R. depot, and the whole building is equipped in the best style with all possible conveniences. Being much nearer to the different freight houses and express offices than formerly their facilities for receiving and shipping are greatly increased, and labor and expenses are lessened considerably.

J. B. K.

## Omaha.

Business is improving slowly; most of the outdoor stuff is gone. Roses and carnations are not very plentiful and the stock is not as good as usual at this time of the year. Most of the growers, if not all, are fixing up, and a few weeks more will make a great improvement in the quality. October opened up with a rush, and everybody was outside hustling for stock, but very little was to be found to wholesale, as everyone had retail orders booked ahead.

The floral display at the State Fair was a disappointment to all; not only was the weather bad, but the facilities were very inferior. In the first place the transportation was poor for those who had to ship their plants in; and next the building was too small by half, being 32x70, when every foot of space in a building twice that size would have been occupied. One grower applied for 600 feet of space, and when they allowed him a little over 100 feet he refused to make an exhibit at all. The water supply was cut off for almost twenty-four hours at one time. The city mains are not laid out to the grounds yet, and they are dependent on an artesian well for the supply. The dimensions of building were left to men with experience in that line to warrant a suitable building, but when the applications for space began to come in they soon realized the mistake they had made. It was a bad blow on Omaha for the first year of the fair, and several of the visiting exhibitors declared they would not come again. There is a move on foot to sell the present building and build one more suitable. In addition to the frame building a large tent was used, and several were compelled to "camp out."



Ben Haas captured thirty-eight premiums at the fair, and eleven of them were first. R. H. Davey, who has the largest collection of cactus in the west, was on hand as usual, and walked off with first honors. Chapin Bros. of Lincoln, Neb., took first on floral design, a crescent and star, while Lewis Henderson of Omaha got second with a large gate ajar. Frey & Frey of Lincoln also had a good piece, but it arrived too late.

To end the festivities of fair week the Ak-Sor-Ben order gave a ball at the Coliseum, which was a gorgeous affair. There were more flowers used on this occasion than at any gathering ever held in the city, everything being in red, green and yellow, the colors adopted by the above order. The inside of the building was entirely covered and festooned with the three colors of bunting with pyramids of plants in every nook and corner, and around the pillars. A large basket of one thousand roses hung from the ceiling in the center, also another similar in size filled with ferns. The ball was preceded by a parade on the principal streets of the city of some twenty expensive floats beautifully decorated with ferns and palms.

There is some talk of reorganizing the Omaha and Council Bluffs Florists' Club, which disbanded some two years ago.

J. F. Wilcox of Council Bluffs has several houses of fine 'mums which will be upon the market soon. A chrysanthemum show would be right in line, something our twin cities never have had.

S. B. Stewart had four dainty wedding decorations for last week.

J. W. Arnold has returned from his tour of Wyoming, hale and hearty.

Miss Inez Arnold is back from her visit among friends in the east.

Mr. Carl Cropp, with J. C. Vaughan, Chicago, was a welcome recent visitor.

G. R. H.

#### Baltimore.

Outdoor flowers are pretty well out of the market, owing to frost one night last week, but roses remain in fair supply at three cents and there is no rise in the price of anything yet. The demand is undoubtedly greater, but there is no possibility of a scarcity until after the chrysanthemum season.

The last meeting of the club was almost taken up with show matters, chief of which was the disposal at auction of the four booths, or stalls, to be situated in the four corners of the hall and used for selling flowers. President Graham, who officiated as auctioneer, conducted the sale in the most approved style, finding new beauties and advantages in every stall as soon as the preceding one was disposed of, and winding up each sale with the customary phraseology of an old hand. The buyers were as follows: First choice, Mr. Philip Welsh, \$82; second choice, Mr. Jno. Donn, \$89; third choice, Mr. Robt. Lehr, \$86; fourth choice, Mr. E. A. Sidewitz, \$76. In all \$212 more than was realized from the sale of the numerous stalls last year.

A number of passive or honorary members were admitted to the club, and, owing to a somewhat protracted debate for and against an auction sale of plants the last evening of the show, no other business was transacted. It was decided to have an auction. Some very good chrysanthemum blooms were shown by Messrs. Fisher and Ekas, among which was a large white seedling, not fully opened, but apparently a very full and pure white.

The Ruxton Floral and Nursery Company of Baltimore county has been incor-

porated by William B. Sands, William B. Sands, Jr., William Fraser, William T. Watson and John Watson, Jr., with a capital of \$10,000. This company have secured the place near Ruxton, previously owned by Mr. Theodore Eckardt, and will grow roses and fancy nursery stock.

MACK.

#### Chicago.

Many improvements are being made in the west side parks, especially in Humboldt Park, which is nearest the residence of Mr. E. G. Uhlein, one of the park commissioners and also first vice-president of the Horticultural Society of Chicago. It is a decided pleasure to ride around a Chicago park with a commissioner who has a real knowledge of trees and plants, and who gives them their proper value as against stone work, curbing, statues, etc. Mr. James Jensen is now superintendent of Humboldt Park, and is ably supporting Mr. Uhlein in his efforts to make Humboldt Park what it ought to be. While formal bedding will still be used in certain suitable places the general style will be the natural, and some very effective features have been planned. Mr. Uhlein believes in giving the people what they seem to want, within reasonable limits, but he drew the line at a proposed representation of Uncle Sam in plants, the figure to be 30 feet high. He believes in making the parks educational, and will work steadily in that direction. We were amazed to learn that the water service of the west side parks is through wooden pipes laid 20 years ago. These are all to be pulled up and replaced by iron pipes. A statue placed obtrusively at a junction of two drives without a bit of lawn around it for relief will be raised on a higher base and surrounded by at least 20 feet of lawn on each side, and the drives carried away so as to leave the needed space. These are noted as samples of the sensible changes inaugurated by Mr. Uhlein as commissioner.

His own home grounds on Ewing Place are worthy a visit from any lover of plants and flowers. He has certainly made the very most from a very large city lot. The lawn at the side of the house stretches back to a small pond of aquatics, crossed by a rustic bridge leading to a rustic summer house at the side of the lot, while back of the pond on a slight elevation are his conservatories. His collection of orchids and decorative plants are decidedly noteworthy. He has contributed many duplicates to the parks, and thereby added greatly to the interest in their collections.

Mr. Uhlein will make a beautiful display at the coming exhibition of the Horticultural Society, which will include his excellent collection of nepenthes, as well as orchids and fine specimen decorative plants.

Entries for the coming exhibition should be made with Supt. Rudd by October 29. They may be addressed to him at room 202, 185 Dearborn street. Exhibits from outside the city should be addressed to W. N. Rudd, superintendent, Battery D, Chicago, express charges prepaid.

Mr. Egbert N. Reasner and his bride spent several days in Chicago this week. Mr. Reasner has acquired a full beard as well as a helpmeet, but is as companionable as ever. The couple are now on their way to Atlanta where they will enjoy the sights of the exposition for a week or more before settling down at Mr. Reasner's home in Oneco, Fla.

Only one seedling was entered with the Chicago committee of the Chrysanthemum

Society of America last Saturday. This was from the Parkside Floral Co. of this city, and came too late to be acted upon by the committee. It will beshown again this Saturday.

There is still a scarcity in some lines of stock, and prices change but little. Carnations are very scarce, good stuff, both white and colored, is worth \$1.50, and good ordinary has to be very ordinary to go down to \$1. White is specially short, and there is not nearly enough for the demand. In roses, all are selling well except Bridesmaid, which is sent in in very large quantities, and there is not much sale for it; it is not greatly used here in funeral work, and there is not much outlet for its use, so it stays at \$3, while good Kaiserin, Meteors, and Brides sell for \$4. Beauties run from \$1.50 to \$3 a dozen. Violets are still absent, though a few singles from Philadelphia were sent in. Valley stays at \$4.

As for chrysanthemums, they are naturally coming in better and more plentiful, and the price has dropped a few points. Undoubtedly the finest white seen so far is Mrs. Robinson, grown by Bassett & Washburn. It is large, of the Queen type, and excels any other early white in this market. It is a new variety, first in the market this year, and is said to be of French origin. It is now selling for \$3 a dozen. Mrs. E. G. Hill is seen in fine condition, selling for \$2, and several yellows, which go at \$1.50 to \$2; Whildin, Gloriosum, Firenzi and Yellow Queen are the varieties. Of course these prices only apply to select home grown stock; southern flowers sell for \$2 to \$8 per hundred. Kate Brown and Mme. Bergmann are among the varieties, also some yellows. W. C. Cook is cutting fine flowers of an unnamed white, which came in October 1, and has proved a good seller.

Felke & Mueller are rebuilding and remodeling their place at Wilmette, arranging the houses with short span to the south. Their plant consists of six houses in roses, six in carnations, two in chrysanthemums, two in violets, one propagating and one for palms and ferns, making 42,000 feet of glass in all. They report a very good bedding trade last spring, and are preparing for an increase next year.

Recent visitors: Chas. G. Fleckenstein, St. Louis, Mo.; E. W. McLellan and wife, San Francisco.

#### Cincinnati.

The supply this week has shortened up considerably, and in consequence prices have somewhat stiffened. White is particularly scarce. In roses Kaiserin and Brides of first quality have advanced to \$4, and Meteors \$3 to \$4. Bridesmaids hold firm at \$3, while Perles and Mer-mets go at \$2.50 to \$3. Beauties are stationary at \$2 a dozen for extra long, and \$1.50 for medium, in quality Beauties are good, but the smaller varieties of roses are only fair to medium. Carnations are much improved and in good demand, first quality disbudded stock sells readily at \$1.50, while others bring \$1 per 100.

The first shipment of 'mums in any quantity was received last week from E. G. Hill of Richmond, Ind., which brought \$2.50 to \$3 per dozen. From the south shipments are now received daily by the commission men, but the stock is rather poor, being cut too green; a few blooms of Gloriosum are also to be seen in the market.

The extreme heat in the latter part of September has hurt the early crop of vio-



lets. There is very little prospect for any good flowers before the latter part of October or the first of November.

The regular monthly meeting of the Cincinnati Florists' Society was held in their rooms at the Flower Market October 12 with the largest attendance the society has had for months. At this meeting we had the pleasure of a visit from Mr. E. G. Hill, who brought for exhibition a dozen magnificent blooms of early 'mums. Mr. Dick Witterstaetter showed some fine seedling carnations. Mr. Fred Walz showed a very fine collection of canna blooms. H. Sunderbruch showed one vase of American Beauties and a vase of orchids. There were a lot of other fine cut blooms sent in by several of the other florists, in all they made a fine collection.

The weather still continues to be dry, and nearly all of the florists are hanting water. P.

Worcester, Mass.

Frost has paid us his first visit, and the reception tendered him by different florists was rather varied. Those who had everything housed and well protected, received it very graciously thinking that after the cutting of outside stuff, sales would quicken and prices go up a peg, while those who had not yet finished that new house and had thousands of plants in the field were very indignant that it was not postponed for awhile. Trade runs along evenly, first-class blooms selling well and bringing fair returns; good flowers are not over-plentiful, as most growers are holding back carnations and roses till after the reign of "Queen 'mum." A few 'mums are in, but they won't be plentiful for two weeks yet in this vicinity. Some Russian violets and a few Marie Louise are being brought in, but the quantity is uncertain and the quality mediocre.

We have had a tremendous fall of rain commencing at noon, October 12, and lasting steadily until the morning of the 14th, that did an immense amount of damage, flooding cellars, washing out the roadbeds, rooting up trees, etc., but no damage has been reported from any florists' establishment.

A splendid exhibition was held at Horticultural Hall last Thursday, which was very large for so late in the season. A feature of the show was a magnificent show of tuberous begonias exhibited by Mr. F. A. Blake of Rochdale.

Mr. Edward W. Lincoln, secretary of the Worcester Co. Hort. Society, has the sympathy and condolence of his friends, on the sad death of his youngest daughter October 11. A. H. L.

Springfield, Mass.

There have been many parties and weddings here for the last two weeks. Among those worth special mention is the McKnight wedding, at which Florist Mieliez furnished elaborate decorations. These consisted of a beautiful arrangement of roses and smilax.

Springfield society witnessed a very attractive event in the Goodwin Carter wedding. The floral decorations in the church were very artistic, consisting of a solid bank of palms across the front of the church, while from the cross rods hung branches of smilax. Bunches of green over the windows were fastened with broad white satin ribbon, and clusters of white carnations were fastened at the end of each pew. The house of the bride was transformed into a perfect paradise—with palms, greens and roses, while a tent adjoining the house was

beautifully decorated with autumn foliage. The decorations were in charge of W. F. Gale.

A pretty tea was given by Mrs. A. H. Orem at her home on Federal street, which was decorated with palms and potted plants from the family greenhouse. The prevailing colors were green and white.

There has been a quantity of funeral work done among the florists in the past week. One beautiful piece of work, furnished by C. R. Miller & Co., was a wreath three feet across made of Bride-maid roses.

Linwood Morgan of Longmeadow has leased the greenhouses of O. L. Hall.

The social event of this week was the Breck-Howard wedding. It was a yellow wedding and the decorations were in charge of Florist Mieliez. The large piazzas at the left of the house were inclosed by yellow draperies and trimmed with autumn leaves and golden rod. A large tent was connected at the rear by a yellow canopy. B. M.

Wilkes-Barre, Pa.

The advent of the cool weather will probably mark the beginning of the "much expected" busy season. The revival in the cut flower trade in this town during the past week was quite encouraging. The Jewish holidays in a measure account for the increased demand of the latter. As is usual upon such occasions, the Hebrew citizens are liberal buyers, willing to pay fair prices for good stuff. One dollar per dozen for roses and 40 cents for carnations are the prices ruling at present.

Mr. Ira G. Marvin has recently added four more carnation houses each 18x100. He has also built an additional chrysanthemum house 25x80, and a new boiler house, all of which were built in the most approved way and equipped with the best and the latest modern appliances. In addition to his building operations, Mr. Marvin gave his entire plant a thorough overhauling putting everything about the place in the best possible order. His down town store with its fifty feet front, all in French plate glass show windows, has recently received additional improvements such as new counters, show cases, etc.

Mr. Marvin sustained recently a sad and irreparable loss in the death of his fourteen months old boy, a loss which he takes rather hard, being almost inconsolable. He has the heartfelt sympathy of all his friends. X.

A Retailer's Adv.

"The flowers that bloom in the spring are largely dependent upon the bulbs that are planted now. A choice importation at Frank Bullington's."

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

**SITUATION WANTED**—By commercial greenhouse man; 10 years' experience; single; good references. FRANCIS 135 Harrison Ave., Boston, Mass.

**SITUATION WANTED**—By a young man with some experience; competent to handle hose, etc., Good references. State wages. Address JOHN STREMLER, Borealis, Mich.

**SITUATION WANTED**—By 1st of November. A good florist in roses, ferns carnations and mums. Single; 16 years' experience. Good references. S. care American Florist, Chicago.

**SITUATION WANTED**—As manager or foreman; 24 years' experience in growing roses, carnations, violets, decorative plants, etc.; forcing of all kinds of bulbs. Single. Good references. Address FLORIST 1623 Chestnut St., St. Louis, Mo.

**SITUATION WANTED**—By young lady, experienced as book-keeper and saleslady in cut flower store; understands designing. Best of reference from present employer. Address Box 17, Rocky River, O.

**SITUATION WANTED**—By a German; single; thoroughly competent in growing tea and hybrid roses, carnations, chrysanthemums, and in forcing bulbs. Good references. State wages. Only steady place need apply. Address FLORIST care Chas. Schwake's Seed Store, 404 E. 34th St., New York City.

**WANTED**—Agents to sell Child's Rainmaker nozzle. M. M. Jones, Gen'l Agent, 6122 Oglesby Ave., Chicago.

**WANTED**—Two men, a florist and a gardener. Give references; state experience, and wages wanted. I. L. PILLBURY, Galesburg, Ill.

**WILL EXCHANGE**—Good field grown carnations and roses for good violet plants. Address C. O. McLANE, Station X, Chicago.

**WANTED**—A steady and reliable man for general greenhouse and nursery work. Wages \$20.00 per month and board. Address H. KADEN, Gainesville, Texas.

**WANTED**—December 1st, florist skilled in roses, carnations, mums and greenhouse plants in general; single man. Must furnish best of references. State age and salary. Steady place for the right man. Address BUSINESS, care America Florist.

**FOR SALE, RENT OR SHARES**—Greenhouses and celery garden, good business, a bargain. W. J. OLDS, Union City, Pa.

**FOR SALE**—Old established florist business in good condition. 500 ft. glass 10 acres land, well stocked with roses, carnations, violets, and general stock in western New York. For particulars, address MRS. F. WELLS, Batavia, N. Y.

**FOR SALE**—Florist store, established 15 years; will sell on good terms, on account of two places, store in New York and greenhouses in country. Owner can not attend the two places. Address 520 Third Ave., New York City.

**FOR SALE**—Greenhouse plant consisting of two acres of ground, five greenhouses, water and heating apparatus, nursery trees and plants at less than half value; a rare chance for the right man. J. O. HARRIS & SON, Ottawa, Ill.

**FOR SALE**—Are you after a bargain of beautiful florist box fixtures, stock and other supplies? Am selling out cheap. It will pay you to investigate this before buying elsewhere. Address LESSNER, 290 N. State St., Chicago.

**FOR RENT**—Eleven greenhouses. This will be a chance for a young man to take a hold of business. He can make a start with a small capital. This place will bring from \$40.00 to \$50.00 a year clear. There is already one man in the business and he wants a partner. This is an old established place. I have resigned on account of my health. Address HENRY MOORE, 422 Main St., Memphis, Tenn.

#### FOR SALE.

or will exchange for eastern greenhouse business. The Jamestown Gardens and Greenhouses consisting of 500 feet of glass and 40 acres of land (leased); good celery business. Catalogue plant and seed trade started; the only establishment of the kind in the state. Big chance for a live man with some means, or the business could be divided into three parts. For particulars write W. W. SECKINS, Jamestown, N. D.

DRACAENA INDIVISA, fine plants for grow-	Per 100
ing on, 3 1/2 inch pots	\$6.00
2 1/2 inch pots	3.00
ADIANTUM CUNEATUM, 2 1/2 inch	2.50
DRY CALLA ROOTS, fine home grown	5.00
ROOTED CUTTINGS VINCA V R	1.00
CYPERUS ALTERNIFOLIUS, 2 1/2 inch	2.00
3 1/2 and 4 inch	5.00
PANSY PLANTS, fine, stocky, per 100	\$4.00
CASH WITH ORDER	50

THE OAKS GREENHOUSE CO., Wholesale Florists, Jackson, Mich.

## NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

American Florist Co.

P. O. Drawer 164,

CHICAGO.

**THE AMERICAN FLORIST**

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.

The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to se-  
cure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Cleveland.

E. J. Paddock, whose intention to open a store on Erie street was announced some time ago, held his formal opening beginning Thursday, October 12. It lasted three days. The store, which has been in the hands of the decorators for a long time, was thrown open to the public, who took full advantage of the opportunity in spite of the rather unfavorable weather which prevailed during the greater part of the three days. The store has been beyond a doubt in good hands during the time that it has been unoccupied, as it is certainly the prettiest florist's store in Cleveland at present. The interior is finished in white and gold and is furnished with all the conveniences and appurtenances that go to make up a well appointed establishment. Mr. Smith, formerly with J. M. Gasser, has accepted a position with Mr. Paddock.

The work of tearing down the Gordon Park greenhouses has been begun and will be pushed with as much speed as the circumstances will allow.

The earliest good chrysanthemums are coming in now from Edward Paddock's houses. They are very fine and include a number of varieties, Bergmann, Kate Brown, Mrs. E. G. Hill, J. H. Troy, J. E. Lager and others.

Roses and carnations are coming in in somewhat better quality and are fairly plentiful. Other flowers are not to be had. Business is fair but not at all phenomenal.

A.

Bangor, Maine.

Adam Seckenger died at his late residence on Newbury street on October 8, aged 72 years. Mr. Seckenger was the first florist to do business in Bangor, his first greenhouse having been established on York street in 1854. After remaining there eight years he moved to his late location, and his business increased until it was quite extensive. He was a man highly esteemed in the community, an upright citizen, a devoted husband and kind and indulgent father. He leaves a widow, three sons and three daughters.

A PATENT for a folding plant stand has been granted to Frederick G. Jones, Somerville, Mass.

BACKWARD, turn backward, O time in thy flight! Another chrysanthemum craze is in sight.—Chicago Tribune.

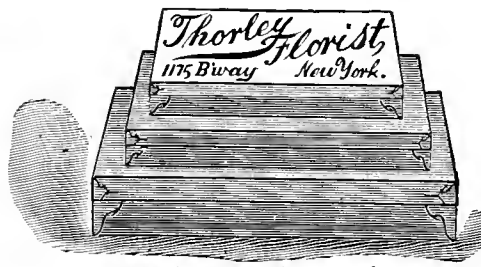
**Cut Smilax**

15 CENTS PER STRING.

THE NATIONAL PLANT CO.

CASH.

DAYTON, OHIO.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**

NEW YORK SALESROOM:  
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

When writing mention the American Florist.

**Long's Florists' Photographs.**

FOR THE USE OF FLORISTS IN TAKING ORDERS.

176 Arrangements. Sets from \$1.75 up. Circulars free. Apply to Jobbing Supply Houses, or direct to the Publisher,

**DAN'L B. LONG, Buffalo, N. Y.****ESTATE OF M. A. HUNT,  
Wholesale Cut Roses**

TERRE HAUTE, IND.

Parties unknown to us, references must be  
given. Orders promptly filled.

**H. L. SUNDERBRUCH,  
Wholesale Florist**4TH AND WALNUT STREETS,  
Cincinnati, O.**WISCONSIN FLOWER EXCHANGE,**

Good stock, carefully handled.

ROSES AND CARNATIONS,

Lily Valley, Orchids and Beauties,

PALMS, FERNS, ASPARAGUS

Hardy Cut Ferns, Wild Smilax.

Box 87. MILWAUKEE, WIS.

**Asparagus Plumosus Nanus.**

Cut Strings, 8 to 10 feet long,

50 CENTS.

**W. H. ELLIOTT, Brighton, Mass.****The Boston Flower Market**

is prepared to purchase, on order, and  
ship Trade orders for Cut Flowers at  
prices ruling in the market on day of  
Sale. TERMS STRICTLY CASH.

Address **GEORGE CARTWRIGHT, Mgr.,**  
Flower Market, Park St., BOSTON, MASS.  
Long Distance Telephone "Haymarket 438."

**ELLIS & POLLWORTH,  
WHOLESALE CUT FLOWERS,**

137 Oneida Street,

Box 75. MILWAUKEE, WIS.

MUNCIE, IND.—Mr. J. Carnes of the  
Carnes Greenhouses has put in a new  
boiler and given his place a general over-  
hauling, putting it into first-class shape.  
His carnations and chrysanthemums are  
in especially good condition. He began  
cutting Mme. Bergmann on the 9th inst.

**"The National"**

Folding Flower Boxes are the best  
and most convenient ever put upon  
the market. They are made from  
board, manufactured especially for  
these goods, and made so as to resist  
moisture, thereby keeping the flow-  
ers fresh, and the box holding its  
shape.

**THE NEW YORK  
CUT FLOWER CO.,**

119 and 121 W. 23rd St., and  
112 and 114 W. 24th Street,

IS NOW

**OPEN FOR BUSINESS.**

The Largest Dealers in

**CUT FLOWERS  
IN THE WORLD.**

Handling flowers of all kinds in quantity  
we are in a position to fill shipping orders  
promptly. We shall give careful attention  
to this branch of the business, and solicit  
your patronage.

**J. A. MERRIFIELD & CO.**

Wholesale and Commission

**FLORISTS,**

LAKE ST. AND WABASH AVE.,  
(South East Corner),

Tel. Main 1768. . . . CHICAGO.

**W. ELLISON,  
WHOLESALE****Cut Flowers & Florists' Supplies**

WIRE DESIGNS.

1402 PINE STREET,

St. Louis, Mo.

**C. A. KUEHN,**

(Successor to ELLISON &amp; KUEHN.)

**Wholesale Florist,**

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

**SAMUEL S. PENNOCK,  
Wholesale Florist**

REAR OF 42 S. 16th STREET,

Philadelphia, Pa.

**E. H. HUNT,**  
**WHOLESALE FLORIST**  
68 Lake Street, CHICAGO.

**WHOLESALE CUT FLOWERS.**  
SEEDS, BULBS AND ALL  
FLORISTS' SUPPLIES.

**KENNICOTT BROS. CO.**  
**WHOLESALE CUT FLOWERS,**  
and FLORISTS' SUPPLIES.  
34 & 36 RANDOLPH STREET,  
CHICAGO.

**T. J. GORBREY & CO.,**  
**Wholesale Commission Florists**  
59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

We are now prepared to furnish Florists' Wire Designs and a full line of Florists' Supplies.

WRITE US FOR OUR ILLUSTRATED CATALOGUE.

**Bassett & Washburn,**  
Successors to J. B. DEAMUD & CO.  
CROWERS and  
WHOLESALE CUT FLOWERS,  
DEALERS in  
34 & 36 Randolph Street,  
CHICAGO.  
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HEADQUARTERS FOR AMERICAN BEAUTIES.

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" " ordinary	5.00@10.00
Carnations, ordinary	50@1.00
Valley extra	1.00@1.50
Chrysanthemums	10.00@35.00
Violets	.50
Smilax	10.00@15.00
Adiantum	.75@1.00
Asparagus	35.00@50.00
Roses, surplus stock	\$5.00 per 1000
BOSTON, Oct. 16.	
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Carnations	.75@1.50
" extra	1.50@2.50
Valley	3.00@4.00
Chrysanthemums	10.00@20.00
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" teas, large varieties	3.00@4.00
" " second	2.00@3.00
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Valley	1.00@2.00
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CHICAGO, Oct. 12.	
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" short medium	6.00@12.00
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" select	1.00@2.00
Carnations	1.00@1.50
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Chrysanthemums select, per doz.	1.50@3.00
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" " short	4.00@8.00
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Valley	.50
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Cosmos	.40
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" Bridesmaid, Mermets, Bride	4.00@5.00
" Cusin, Perle	3.00
Mums	5.00@15.00
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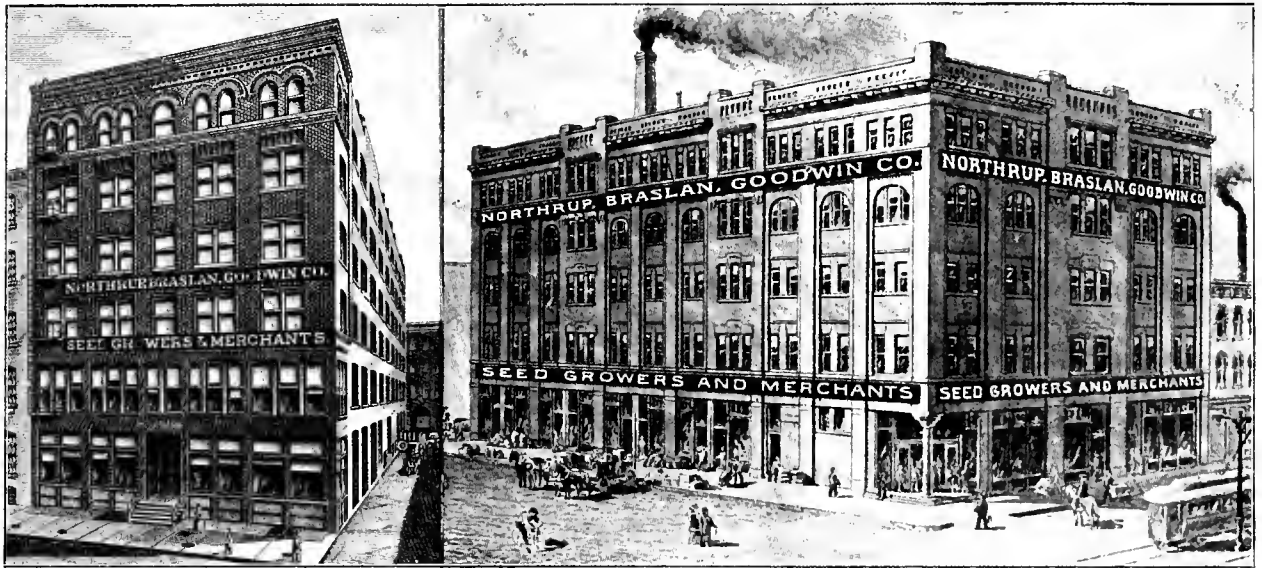
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## San Francisco.

Trade the past week was about the same as last reported. Chrysanthums are now fairly in. There is plenty of small stuff, which is a drug in the market, but cannot be sold at any price. The fakers are now in their glory, and can be seen on every corner with large bunches of 'mums for 10 cents. Some very excellent Queens are to be seen now. These come from the Japs across the bay. They bring 1.50 per dozen. American Beauty is very scarce yet and is likely to continue so.

Thos. H. Stevenson of Powell street has bought the entire output of flowers of the California Violet Co., for the season, which he wholesales to all the other florists.

A new giant mignonette is the latest California wonder. It is said to be the finest mignonette in existence, and of which more will be heard later.

A. Jacquemet on Taylor is remodeling his old store for this season's trade. He is also having it painted and enlarged.

J. Jacquemet on Fourth street received a large consignment of baskets, immortelles, etc., from Europe last week.

Mr. P. O'Hearn is building two new carnation houses at his place in San Mateo.

Mr. M. Lynch has been seriously ill for the last few weeks, but is now on the road to recovery.

The growers report shipping trade fairly good, and if the weather keeps good a large number of chrysanthums will find their way out of the San Francisco market.

Some dissatisfaction is heard this season about the negligence of the railroad in forwarding bulbs to this coast. Even up to this date some of the growers have not received their shipments of Harrisii and other bulbs.

M. Lynch of the Menlo Park Nurseries is now busy building a new office and putting in a new heating apparatus for his rose houses. The roses at this place, though only planted about two months, have made a wonderful growth and are looking excellent.

The chrysanthemum show this year will be held under the auspices of the California State Floral Society in the Maple Hall of the Palace Hotel, October 25, 26, 27, 28. They intend to introduce a new feature with this show and make it non-competitive. It remains to be seen whether this will be successful or not.

METEOR.

## Atlanta Exposition.

The judges of the exhibits in horticulture and pomology at the Atlanta exposition will be W. R. Smith, Supt. of the Botanic Gardens, Washington; P. J. Berckmans, Augusta, Ga.; Robert Craig, Philadelphia; and Mr. Ellwanger, Rochester, N. Y.

Mr. H. L. Sunderbruch, of Cincinnati, with two associates, will act as judge at the chrysanthemum show in November. The official premium list will be issued soon and may be had on application to Geo. M. Bradt, chairman, Kenyon Building, Louisville, Ky. The premiums and gold medals offered amount of about \$700.

THE GREAT VALUE of an athletic training at one of the colleges may be distinctly seen in observing the average young man who is walking along the street and easily supporting a chrysanthemum on his bosom.—Chicago Record.

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100,000 Nut bearing trees.  
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## Denver.

Superintendent Graham is getting things in shape for the winter at the City Park. The park commission has decided to spend a large sum in improving this park by planting more trees, making new walks and drives and straightening and changing old ones, making more grass and in many ways improving and beautifying Denver's "beauty spot." Among the improvements talked of is a large artificial lake covering several acres. Mr. Graham has made many friends by his progressive and thorough management of our park system and none praise him higher than the park commissioners themselves.

Mr. L. Beer of the Colfax Floral Co. had a severe fall from his bicycle the evening of September 30. He was picked up unconscious on lower Broadway and brought to town, where after having a severe cut in his forehead dressed he was removed to his rooms in Patterson Flats. His injuries were not of such serious nature as to keep him from his business but were very painful.

Mr. Perry Gallup as "Little Lord Fauntleroy" and Mr. E. A. Wood as "Samson" are thinking of doubling up and going on the theatrical stage.

The Denver Florists' Society especially solicit entries by eastern growers for competition at their coming show (November 6-9) in the following entries: No. 13, best 25 blooms chrysanthemums 25 named varieties, premium silver cup. No. 14, best chrysanthemum seedling not exhibited prior to 1895, three blooms to be shown, silver cup. No. 38, best seedling carnation never exhibited prior to 1895, five blooms, silver cup. Exhibitors may enter more than one seedling if they so desire. It is hoped that these prizes will be liberally competed for, as they are very handsome and well worth winning.

Good roses are selling at from 5 to 6, carnations very scarce at any price. Beauties scarce at 20. GIVEN.

## Portland, Me.

Owing to the very dry season ericas have made very little growth with J. A. Dirwanger in the field, and the plants are scarcely one-third the size they should be. Mr. Dirwanger reports improving trade and several wedding decorations in prospect. A surprise party greeted him on the occasion of his 68th birthday, October 7. Among the kind remembrances were a handsome clock from Portland neighbors and a fine German pipe from out of town florist friends.

Albert Dirwanger's houses are in good shape and well filled with promising stock for winter. Here is one of the busiest men in the trade. Fifteen minutes' rest is for him a rare occurrence.

J. W. Minot & Son have bought out the florist business of W. E. Morton & Co. at 615 Congress street.

## Newport, R. I.

The Newport Horticultural Society's chrysanthemum exhibition, which was to have been opened on October 30, has been postponed eight days and will now open on Thursday, November 7, to be open three days, November 7 to 9 inclusive.

ALEX. MACLELLAN, Sec'y.

COLUMBUS, O.—A movement is on foot among citizens of the east side looking to the conversion of Andrew's Woods, at 18th street and Livingston avenue into a public park.

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Extra fine plants out of 3½-inch pots; eight to twelve leaves to the plant, \$1.50 per dozen; \$12.00 per hundred.

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50c. per 100 by mail; \$4.00 per 1000 by express. Cash with the order, please.

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4-inch.....	5.00	4.00
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DOWNING GOOSEBERRIES, best gro'n, 250		
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Calla Little Gem. 2½ inch pots, per dozen, \$1.00; per 100, \$7.00.

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## News Notes.

BATAVIA, N. Y.—The Central Railroad is building a greenhouse on Evans street.

LAWRENCE, KANS.—The Kansas State Horticultural Society meets in this city December 10 to 12.

PAWTUCKET, R. I.—The Rhode Island Greenhouses opened a cut flower store at 17 No. Union street on October 8.

LEAMINGTON, ONT.—W. L. Clarke has erected a large greenhouse which will be heated by gas from a nearby well.

OSHKOSH, WIS.—John Nelson will soon open a floral salesroom at 169 Main street, to be run in connection with his greenhouse business.

MOORESTOWN, N. J.—Isaac Rogers, formerly manager of the Rogers Nurseries, has removed with his family to some point in New York state.

ANDERSON, IND.—J. S. Stuart has sold a half interest in his business to J. A. E. Haugh, of Indianapolis, and the new firm will be known as Stuart & Haugh.

ST. PAUL, MINN.—The board of county commissioners is considering a proposition looking to the purchase of 125 acres at Lake Minnetonka to be used as a public park.

ROCHESTER, N. Y.—The Perry Nursery Co. has been incorporated with a capital stock of \$10,000. The directors are William Perry, Robert C. Brown and Charles J. Brown.

SACRAMENTO, CAL.—H. McWilliams, the florist, won 9 first premiums at the state fair with the finest display of plants and flowers ever seen at such an exhibition in this city.

RUTHERFORD, N. J.—L. C. Bobbink, representing the Boskoop Horticultural Co., has opened business here in Depot Square with a half acre of land and storage sheds for shrubs, etc.

LOUISVILLE, KY.—A syndicate has purchased the entire business, greenhouses, stock and accounts of the late firm of Nanz & Neuner, and have placed Mr. H. Nanz in charge as manager.

WINONA, MINN.—Mr. Ed. Kirchner has opened a floral store here, in connection with his greenhouses, at 116 E. Third street. He reports business as better than usual for this season of the year.

SYRACUSE, N. Y.—The Central New York Horticultural Society has decided to give a chrysanthemum show November 19 to 21. A. D. Perry is president. Fire did \$400 worth of damage to the greenhouses of F. W. Bannister October 11.

KANSAS CITY, MO.—All the bids received for planting 500 American elm trees on Independence boulevard were rejected because they were not satisfactory. The board decided to have the planting done under the direction of Secretary Kessler, who will buy the trees.

PITTSBURG.—The finance committee has affirmatively recommended a resolution authorizing the expenditure of \$10,000 bond money for the improvement of Friendship Park in the 20th ward. The resolution for the purchase of 19 acres from the Warden estate for park purposes in the west end was referred to a committee of five.

# Studer Offers

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to more than double your money in a short time, but this offer is good only for the next ten days before cold weather sets in, or supply is exhausted, still I have some articles in thousands and ten thousands. I issue no catalogue, do not sell to private customers at wholesale rates, which enables me to offer to the trade only such stock at this low price. This advantage appears only once.

### Otaheite Oranges,

from cool frames from 4 to 6-inch pots, fine specimens, loaded down with fruit, beginning to color. Think of it, small bushy plants in 4-inch pots only, with four to eight fine oranges on it; larger plants with 12 to 20 fruits. Price, plants with four fruits, 25 cents each; 5 to 6 fruits, 33 to 35 cents; 7 to 8 fruits, 40 to 45 cents; larger plants with 9 to 10 fruits 50 to 55 cents; 12 to 15 fruits 65 to 75 cents; still larger ones with 18 or more fruits, \$1 to \$1.25 each; on all 10 per cent off by the dozen, 20 per cent by the hundred; same size plants from open land, ready for 4 and 5-inch pots, and larger plants from 6-inch pots, but without fruit, \$1, \$1.25 and \$3 per dozen, \$7 and \$10 per 100 respectively for the two first named sizes; \$5 per 10 from 3-inch pots.

These plants without fruit potted off and kept cool until February, then taken in a warm house, will soon be literally covered with their delicious sweet blossoms in themselves a beautiful object, followed by proper treatment with lots of fruit, but which must be thinned out. This is real valuable dwarf orange blooms and fruits and grows in beauty year after year, and as a rule new blossoms appear before the delicious sweet medium sized Orange is fully ripe, and one great advantage of it is that if by accident or neglect the leaves drop the fruit when once well established does not, and new leaves en masse appear soon by proper treatment.

### Gardenia grandiflora,

with large beautiful foliage, a fine decorative plant even without its flowers in spring en masse appearing very large, 3 to 4 inches in diameter, holding snowy, waxy white delicious scented flowers. Plants from open land fit for 5-inch pots, 25 cents each, \$2.50 per dozen, \$5 per 100. The common Gardenia Florida or Cape Jasmine, same size, half of above price; smaller plants for 4-inch pots which will also bloom next spring, \$1 per dozen, \$5 per 100.

### PALMS.

**LATANIA BORBONICA**, fine specimens in 8-inch pots, \$1.50 each, \$5 per dozen; from 5-inch pots, 18 to 24 inches high above pot with 7 to 8 leaves, half character showing, full of healthy roots; if potted in 6-inch pots and given room will make splendid plants by August, 40 cents each, \$4 per dozen, \$30 per 100 or \$35 per 100; smaller sizes in same pots with plenty roots and nearly as many leaves 1/2 less, 4 1/2-inch pots, fine stock also, half of first price for 5-inch stock.

**KENTIA FORSTERIANA**, from 4 1/2-inch pots, 18 to 20 inches high, 35 cents each, \$3.50 per dozen.

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**ROSES** from open land, strong plants, such as Louis Philip, Queen's Scarlet, Agrippina, Duchess de Brabant, H. Stanley, a better rose outdoors than the former; Coquette des Alpes, Cornelia Cook, Safrano, Bon Silene, Mme. Massey, M. Washington, Seven Sisters, Meteor, Bride, Mermet, La France, Papa Gontier, La Pictole, Mome, Furado, Gen. Jacqueminot, Giant of Battles, Prince Camille de Rohan, etc. etc. 35 to \$5 per 100; from 3 and 4-inch pots, \$3 and \$5 per 10.

**FLOWERING SHRUBBERIES** in variety, hardy vines at 35 per 100; fine specimens for Vases, and other winter decorations or hedges of **Arbor Vitae Compacta** and **Americana**, 12 to 15 inches diameter, 18 to 30 inches high according to size, 15, 25 and 35 cents each.

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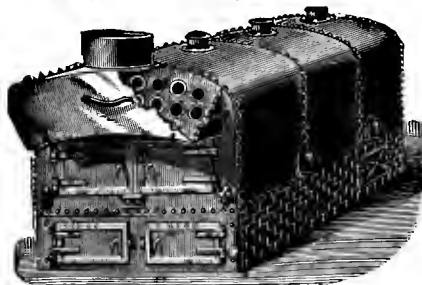
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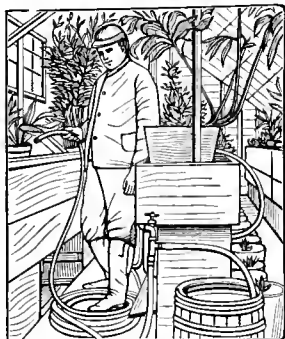


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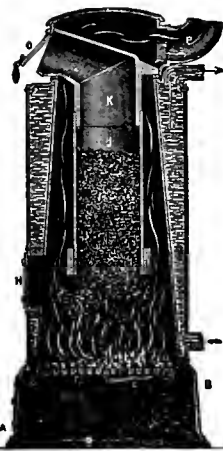
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**NATURAL GAS MADE GLASS,**

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**New Directory.**

A corrected edition of our Trade  
Directory and Reference Book  
will be issued Jan. 1, next.

**AMERICAN FLORIST CO.**

P. O. Drawer 164. . . . . CHICAGO.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

## News Notes.

SPARKILL, N. Y.—Germond & Cosgrove have dissolved and are succeeded by G. H. Germond & Co.

WARREN, O.—Mr. Geo. W. Gaskill has added, this summer, a new even span carnation house 12x110.

LOUISVILLE, KY.—Mr. H. A. Kraft is buying claims against the assigned firm of Nanz & Neuner at 25 cents on the dollar.

NORFOLK, VA.—Mr. Casper Titus has made extensive improvements about his place, adding one more carnation house.

GERMANTOWN, PA.—Mr. and Mrs. David Cliffe sailed for home on October 16, after a pleasant stay of about four months in old England.

COLUMBIA, PA.—Mr. Wm. Ahern has added two 10x100 houses to his plant. Mr. Ahern is making many important improvements about his greenhouses and is hustling hard to get through in time before frost gets a chance to cause some damage.

WEST CHESTER, PA.—Isaac A. Passmore is building two large new houses, which are now near completion, comprising 7,000 square feet of glass, to be heated by a 35 horse power return tubular boiler. With these new facilities Mr. Passmore will undoubtedly fully maintain his reputation as one of the crack growers of carnations for the Philadelphia market.

WEST WHITELAND, PA.—Mr. J. L. Maull, of the Millbrook Lea Greenhouses has just erected a new house on the Charles Swayne slope plan, 150x50 feet. The house is situated on a hillside facing south graded to 3½ inches to the foot. The roof is nearly the same slope, giving 7 to 8 feet head room on the walks. The ground beds are terraced, six feet wide, and there are two raised benches, each 3 feet wide by 150 long, at the north and south sides there are continuous ventilators in front of the raised benches, and four double and two single glazed doors opposite the ground beds. Between each set of doors the glazing extends to the sill, giving full light to the low beds; 16x24 inch lights are used in roof, put in the 24 inch way, bow up. The house is heated by hot water circulating in 2-inch pipes, overhead, from a homemade pipe boiler. Further particulars will be given next spring, after a thorough test of both house and boiler.

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## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

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Mention American Florist.

# NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

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## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

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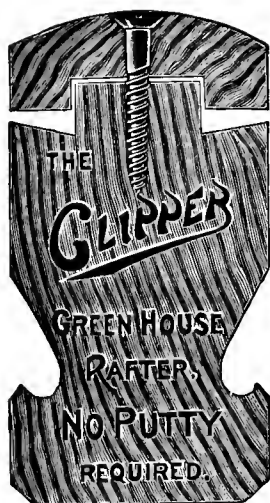
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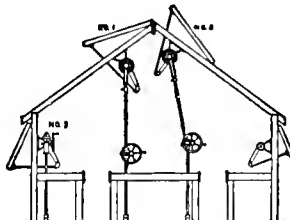
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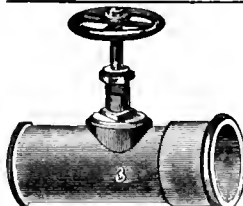
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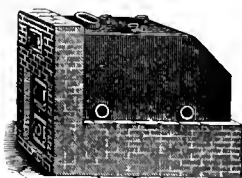
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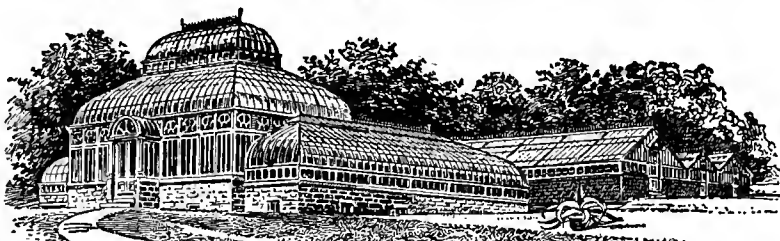
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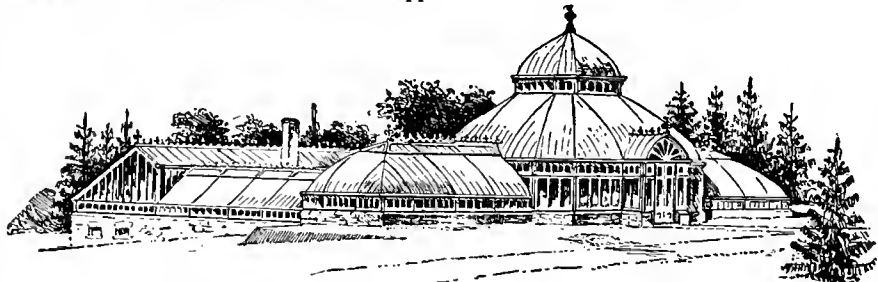
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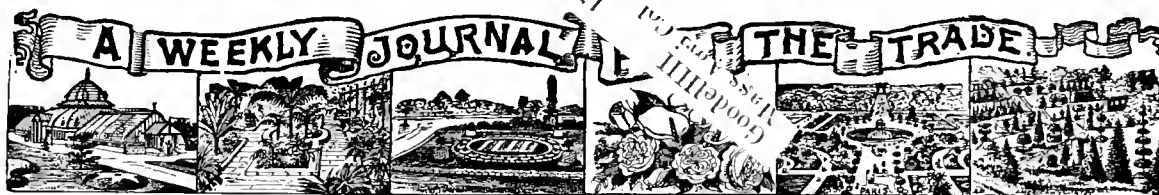
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# THE AMERICAN FLORIST



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Vol. XI

CHICAGO AND NEW YORK, OCTOBER 26, 1895.

No. 386

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,  
P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

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OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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OUR annual chrysanthemum number will be issued November 16.

KANSAS CITY, Mo.—An ordinance to open and establish a public parkway in the north park district to be known as the "Paseo" has been introduced in the city council and referred to the committee on public buildings and grounds.

### Through American Eyes. COVENT GARDEN MARKET.

Perhaps there is in England no other one place of more interest to the American florist than Covent Garden Market. Here at all seasons is to be seen the best the growers have to offer. A careful inspection of the stock displayed on any market day is an index of what one will find in making a tour of the principal establishments about London. This market is the medium through which all the large growers and many of the small ones dispose of their stock. Not only are the London florists supplied, but from all parts of the country dealers are attracted by the opportunities offered to get just what they want without having to run around for it, and always at the market price. So great is the rush here through the busy season, which is during May, June and July, that on many days it is with difficulty business is conducted, florists' wagons stand in lines in the middle of the principal streets leading to the market for blocks and are obliged to pay a toll for the privilege.

Thirty years ago a half dozen small growers stood under a porch alongside of a church near where the market buildings now stand and offered their little stocks. Bye and bye they began to increase in number and finally a building was put up expressly for their use. This was added to several times, until finally the present large structures for fruit and flowers respectively were erected. The flower market is a commodious structure of brick, iron and glass; there is an abundance of light from large skylights in the roof. The aisles are quite wide and the stands or stalls, of which there are about 400, are arranged back to back, each one having six feet by six floor space upon which is a stand with shelves or tables. These stalls rent for 36 cents per day for transient dealers and about \$90 per year. The market opens at 4 and closes at 9 a. m. during the months of May, June and July, and the balance of the year it opens at 5 and closes at 9 a. m. The rules are very strict and there is no admittance except at these hours. All stock arrives and is arranged the afternoon and evening before and porters are provided to assist in carrying, for which there is a charge of 25 cents per load. When sold it is all carried out to the dealers' wagons by women, men not being allowed to compete with them. They carry a large flat willow basket something like a clothes basket; this holds about twelve 6-inch pots, and it is astonishing to see how easy they can hoist this on their heads and walk off with it. They have no regular salary, simply getting for each job the best they can.

The market is open every day, but Monday, Wednesday and Friday are called "bye days," no plants being sold, only cut flowers, on the other days of the

week there is a full market, both plants and cut flowers being offered for sale.

The latter part of August is not a good time to visit Covent Garden, as it is perhaps the duller period of the year. There is not much to be seen in flower. Some pots of *Lilium auratum* and *Lilium roseum* and album in full flower were seen and made very showy decorative plants, as did also plants of *Hydrangea paniculata*. Fine plants of *heliotropes Juliette* and *Nightingale* in  $4\frac{1}{2}$  inch pots brought \$1 per dozen. There were double yellow anemisms, single Paris daisies, pelargoniums, fuchsias, calceolarias and tuberous rooted begonias, all in  $4\frac{1}{2}$ -inch pots, and all for about the same price, 75 cents to \$1 per dozen. Chrysanthemums were just beginning and a few yellow like Golden Pheasant in 6 inch pots looked well; these brought \$2 per dozen.

The bulk of the stock offered at this time was palms, ferns and other foliage plants. A great many ferns are sold, in fact they seem to be much more in demand in England than with us. They are very well grown, especially the hardier sorts such as *Pteris major* and *Polypodium aureum*. Both of these were to be seen in large quantities in  $4\frac{1}{2}$  and 6-inch pots. The 6-inch stock sold for three dollars per dozen, while in the  $4\frac{1}{2}$ -inch pots the price was \$1.50 for the same quantity. *Adiantum cuneatum* in 8-inch pots, fine plants, brought \$4.50 per dozen. There were other varieties in the same sized pots for about the same prices. There was plenty of smaller stock in  $2\frac{1}{2}$ -inch pots which sold for \$5 per hundred. A lot of still smaller plants in what was called thimbles; this sold for \$3.50 and \$4 per hundred. The smaller ferns were packed in shallow boxes with thin wooden partitions like eggs are carried, these cost but little, two cents each, and are not charged for; twenty-four ferns are packed in a box.

*Aralia Sieboldi* was quite a prominent plant on many stands and appeared to be in demand; this plant should receive more attention with us, as it is very satisfactory in a dwelling house. *Cyperus alternifolius* is another plant that seems to sell very well. The aralias in  $4\frac{1}{2}$  inch pots brought \$2 per dozen, while the cyperus were very low, 75 cents per dozen being the price. *Aspidistras* in sixes, well colored, sold for \$1.25, these had about ten leaves and were nice plants. Rubbers in 6-inch pots grown from single eyes and a trifle tall and thin were bringing thirty to thirty-six cents each. *Kentias* in  $2\frac{1}{2}$ -inch pots sold for \$8 per hundred, good strong plants in sixes brought seventy-five cents each, and larger stock brought one, two and three dollars each. *Lantanas* were about equal in price for the same sized plants, and the whole palm stock seemed to be 25 to 33 per cent below prices in the U. S. Twelve leaved *aspidistras*, mostly variegated, brought \$1.25 each.



There was quite a quantity and variety of cut flowers to be seen in the various stalls. There were some roses, mostly Niphetos, Bridesmaids, Mermets and Perles; they sold at different prices according to quality, from two to three cents each, which was a very good price considering the stock. It was not up to our standard and was cut with short stems. Roses in winter bring as high as 75 cents to \$1 per dozen. Carnations brought a big price, selling in bunches of twelve for from twelve to twenty-five cents; they were not long stemmed, about six inches being considered a good length.

A great deal of white herbaceous phlox must be used, as it was seen on many stands and seemed to sell well. Smilax in small quantities sold for \$1.25 a dozen strings; it was not very long or full. Chrysanthemums in bunches, white and yellow, brought eight to ten cents per bunch of a dozen sprays, with about eight inches of stem. It would seem as if their stock of cut 'mums would not compare favorably with that in the United States, as it is all grown in pots outside and moved in on the approach of cold weather. *Lilium Harrisii* sold for six to eight cents per flower. There were quantities of double geranium heads in bunches, and some tuberous pips sold for eight cents per dozen. *Eucharis* brought fifty cents for the same quantity. A lot of the *Bride gladiolus*, from Holland, brought 75 cents per dozen bunches of twelve spikes in each. The quantities of bulbous flowers that are sent to this market from France in the spring interfere very much with the sale of the home-grown stock, but the growers have to put up with the competition and do the best they can.

Men who make certain things their specialty sell great quantities in the busy season. During one day there was sold from Mr. Rochford's stand six thousand dozen lilies of the valley; it is all put up for sale in dozen bunches. One of the growers said in speaking of the business that the storekeepers could, he felt sure, handle more stock and make more money if they would not hold on for large profits. The fakirs or "hawkers," as they call them there are the life of the market; they handle an immense lot of stock, peddling it about the residence portion of the city in push barrows and wagons, and when the trade is quiet during summer they buy large quantities if they can get it cheap, and send to other cities and large towns and dispose of it in the same way as in London, by peddling.

Another large class of buyers is the fruit men. There are a great many fruit stores in London, and nearly all do a business in plants, and in this way great quantities are sold. At one time there was an annual display the first week in June in the market, when all the stands were made to look their best. The Lord Mayor of the city opened the exhibition, and the proceeds, for there was an admittance fee, was paid to the Gardeners' Orphans' Fund. This has been discontinued, however, as orphans of commercial florists were not admitted, only private gardeners' children being eligible, and as private gardeners often sent stock to be sold in competition with the commercial men, there was feeling aroused, and the exhibitions discontinued. Very little stock is handled now, however, from private places.

The fruit and vegetable department of Covent Garden Market occupies even more space than that devoted to flowers. The fruit dealers have a large building, but the vegetable men are outside, and



THOMAS ROCHFORD'S STAND AND PART OF AISLE IN COVENT GARDEN FLOWER MARKET, LONDON.

#### THROUGH AMERICAN EYES.

must take the weather as it comes. The fruit is nearly all handled by commission men, and the quantities of stock that pass through their hands in the course of a year is something tremendous.

Mr. George Munro is the largest dealer; he handles the products of all the large growers of hothouse fruits, and there are hundreds, if not thousands, of them about London. At a low estimate he does a business of ten million dollars a year, his commission being two and one-half per cent. Mr. Rochford alone sends him over one hundred and twenty-five tons of tomatoes and ninety tons of grapes in a season, as well as an immense stock of cucumbers. Mr. Peter Kay, whose specialty is, first, grapes, and who by common consent is head and shoulders above others in the same line, also grows cucumbers and tomatoes largely, and ships probably as many if not more than Mr. Rochford. Many other growers ship very large quantities of similar stock to Mr. Munro, and yet he manages to dispose of it all to their satisfaction.

There are many other commission men doing business side by side with Mr. Munro, but his business completely dwarfs the others. When the reason of his great success is asked, the answer is invariably, it's his great integrity. "If a man sends anything to George Munro and it is sold he gets every penny it brings, minus the commission," and this is the whole story.

Mr. Munro has established recently a cut flower commission business in a building outside and across the street from the market. There are a few others with similar stores, the business being carried on much the same as it is in the United States.

The vegetable department is a very interesting feature of Covent Garden; it is outside without cover. Wagons are seen standing side by side and piled high with various vegetables, all of which seemed to be of excellent quality. While some of these products may be handled by commission men it seemed as if all offered in

this section were sold by the truckers themselves. All the stock sold had to be carried out, as it was impossible to get a conveyance through during market hours, in fact it was all the visitor could do, who had nothing but himself to look for, to get about through the crowd and keep out of the way of the porters, who were hurrying about with great baskets on their heads filled with purchases, and which they were carrying out to the dealers' wagons. Covent Garden is truly a great market, and every large city in the United States should have a similar place where the growers and dealers could meet once a day to their mutual advantage. K.

#### Our Long Distance Telephone.

"Hello! is that Brampton?"

"All right, please connect me with Harry Dale."

"Thank you. Hello! is Mr. Dale at home?"

"Yes, this is he speaking; you don't often catch me away from home."

"Well! glad to hear you, Mr. Dale. How is business with you?"

"Very good indeed for the time of year; my great trouble at present is to get enough stuff to supply the demands of my customers; as it is some of them have to go short. However, though the cut is large now it will be larger still shortly, when I hope to be able to fill all orders."

"We hear you have been increasing the size of your plant this year, Mr. Dale."

"Yes, we—myself and my boys—have put up a 650x18 short-span-to-the-south and have re-arranged several of the older houses; the boys have put in all the heating apparatus. We have also put up a little house 200x12 for keeping carnations in pots until the chrysanthemums are over; it will come in for something else after that. I suppose I have fully 120,000 feet of glass now. Yes, all butted."

"This is chrysanthemum time, Mr. Dale. How are yours coming along?"

"Fine; I have a 350x10 house entirely devoted to them. I don't think a better



A STALL IN COVENT GARDEN FLOWER MARKET, LONDON.

FRUIT STAND IN COVENT GARDEN, LONDON. MR. MUNRO IN CENTRAL FOREGROUND.  
THROUGH AMERICAN EYES.

or healthier lot could be found in Canada. I began cutting on the 26th of September of the kinds already mentioned in the Toronto notes. I have shipped 3 000 or 4,000 blooms since then. At this date (17th of October) I am cutting from Ivory, Marion Henderson, Yellow Queen, Whildin, J. E. Lager, Bergmann, J. R. Troy, Mrs. E. G. Hill and a few others; there have been some very fine exhibition blooms on all of these. Price? Oh, ten and fifteen is the present rate; they pay well at that, but of course it will descend as the bulk comes in. Most of them are grown to single stem; to some sorts, however, I have left two stems, and there is very little difference if any in the size of the blooms. I have large patches of Bullock and Golden Wedding looking very strong and extra fine; Niveus, Wana-maker, Mutual Friend, Queen, Balsley, James Eadie, besides more or less of all the latest and best sorts; Philadelphia is promising well and just showing the

lemon. Yes, I intend to show at the Toronto exhibition this fall, and I don't intend to allow Smith & Son to run away with all the best prizes either; I am hoping to have a tilt with them there.

"Roses? Oh well, of course roses are our mainstay, and we generally manage to hold our own against all comers in that line and keep up the standard of excellence. My new 650-foot house is all planted in roses; everything is doing very well in it. No, I have not a speck of mildew anywhere. Mrs. Whitney is doing very well with me; the foliage is magnificent and the stems long; it is very sweet scented. Belle Siebrecht I can't say much about yet; it has scarcely had a fair trial. I have a good sized patch of it though, and shall be able to say more later on. Mrs. P. Morgan is looking very healthy. Bridesmaids are fine, and I shall have a large cut this year. Meteors, of which I have a house 350x20, are coming on fine. The big house is ventilated by six auto-

matic ventilators; I find they work very well, but just now the town waterworks are "busted," so that it has to be done by hand; we shall soon be all right again though.

"Carnations? Oh yes, we grow a lot of them, but they are a little backward in coming forward this year, owing to the re-arrangement of the houses and boilers; I am not worrying about them much though. Prices are low at present, and they will be in full blast long before the holiday season.

"Violets? Marie Louise and Lady Campbell are growing well; they have some spot, but appear to be getting over it. Yes, I am trying the California, and it is doing well; it is showing a few very long stemmed flowers now, but about this too I shall be able to say more later on. I am cutting some extra fine Allen's mignonette now; I find plants from my own seed come much truer than from the seed I buy. A bench of swainsona is looking very healthy too and is just coming into bloom.

"Pot plants? No, I don't go much on that line. My son Ned looks after that part, some adiantums and other ferns, rubbers, Easter lilies, cattleyas and such like, also some chrysanthemums. I forgot to mention a house of smilax, and asparagus too. Yes, it takes considerable help to keep all this in good going order. I employ about 30 hands, sometimes more.

"Don't tell anyone; I am not supposed to know this yet, but the boys are going to have their annual oyster supper tomorrow evening—they generally have about 40 or 50, including invited florists, present. There will be lots of fun and a rare good time. Can't you come? They will be proud to entertain the FLORIST—well, try.

"Good-bye; there is Montreal ye'lling to be switched on—yes, they take a lot of stuff down there."

#### "Fatal Violets."

Under the above heading a sensational item is making the rounds of the daily press, which says that "cases of heart failure and defective circulation have been traced to the influence of violet perfume." As is usual in such items "A well known botanist" is credited with having made this great discovery.

To make sure that there was absolutely no foundation for such a statement we referred the item to the Director of the Missouri Botanical Garden, and in response Mr. C. H. Thompson of the garden staff writes as follows:

"In Dr. Millspaugh's book of Medicinal Plants I learn that the fragrant violet is used to some extent in medicine, though to what extent is not stated. A tincture is made from the entire plant at the stage of flowering. This contains an acid constituent called violin which has the physiological action of an emetic. The drug taken in excess causes stitching pains and the effect is more apparent in the skin where it causes burning, stinging and itching, followed by eruptions which pour out a thin yellow fluid.

"Aside from this I fail to find any deleterious effects attributed to the fragrant violet, and none whatever charged to its odor or perfume.

"On the other hand it is well known that violet blossoms enter to a large per cent into the making of choice confectionery—candied violets being considered no mean delicacy. Nor is their use so recent that ill reports, if there be any, could not have been published. From the American Journal of Pharmacy, April, 1891, I copy

the following: 'The Romans had a wine of violet flowers, and it is said they are still used in the preparation of sherbets.' From Cole's Herbal, published in 1657, I learn that the flowers and leaves of the fragrant violet were at that early time used rather extensively as a cordial, and especially commended as a cooling drug in drink. 'The flowers of Violets are reckoned to be cheife Cordiall Flowers, and are much used in Cordiall drinks, powders and other Medicines especially where cooling Cordialls as Roses and Saunders are used. They are used to coole any heate or distemperature of the Body either inwardly or outwardly. A dram of the dried Leaves of the Flowers of Violets doth purge the body of Cholerick humors and asswageth the heat, being taken in a draught of Wine or other drink. Violets taken or made up with honey do more clease than coole, and with sugar contrarywise.' These quotations will serve to show that long ago violet flowers and leaves were taken into the system with impunity and gave pleasant rather than ill effects.

"Regarding the perfume of the fragrant violet: Aside from those little idiosyncrasies of people whereby one person may inhale any quantity of a perfume with no apparent harm while a very small amount of it would cause another a headache, or possibly faint dizziness, and which may possibly be true also of the violet perfumes, there seems to be no authentic report of any inconveniences occasioned by contact with it. Certainly any deleterious effect of its odor would have been long known, for the fragrant violet has been one of man's intimate companions for hundreds of years. While I would not say conclusively that no ill effect comes of the perfume being indulged in yet in the light of the facts at hand I would say it is highly improbable that such is the case."



#### Coming Exhibitions.

- SAN FRANCISCO, Oct. 25-28. Chrysanthemum show California State Floral Society.
- BALTIMORE, Nov. 4-9. Chrysanthemum show Baltimore Florists' Club. J. G. Rodgers, Sec'y, 117 Park Avenue.
- MILWAUKEE, WIS., Nov. 5-7. Chrysanthemum show. C. B. Whitnall, Sec'y, box 87.
- OSHKOSH, WIS., Nov. 5-7. Chrysanthemum show Oshkosh Florists' Club. Mrs. G. M. Steele, Sec'y.
- BOSTON, Nov. 5-8. Chrysanthemum show Mass. Hort. Society. Robt. Manning, Sec'y, Horticultural Hall, Tremont St.
- NEW BEDFORD, MASS., Nov. 5-8. Chrysanthemum show New Bedford Gardeners' and Florists' Club. C. J. Wood, Sec'y, 118 S. Second St.
- KNOXVILLE, TENN., Nov. 5-8. Chrysanthemum show Knoxville Floricultural Society. Henry Fenton, Sec'y.
- CHICAGO, Nov. 5-9. Chrysanthemum show Horticultural Society of Chicago. W. N. Rudd, Ass't Sec'y, room 202, 185 Dearborn St.
- INDIANAPOLIS, IND., Nov. 5-9. Chrysanthemum show Society of Indiana Florists. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.
- PHILADELPHIA, PA., Nov. 5-9. Chrysanthemum show Penna. Hort. Society. G. C. Watson, Sec'y, 43 N. 10th St.
- LOUISVILLE, KY., Nov. 5-9. Chrysanthemum show Kentucky Society of Florists. H. Nantz, Sec'y, 582 Fourth Ave.
- WEST HOBOKEN, N. J., Nov. 6-8. Fall show North Hudson Florists' Club. Fred'g Lehnig, Sec'y, Hackensack, N. J.

- PROVIDENCE, NOV. 6-8. Chrysanthemum show Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St.
- FREDERICK, MD., NOV. 6-8. Chrysanthemum show Frederick County Floricultural Society. C. E. Kemp, Sec'y.
- POUGHKEEPSIE, N. Y., NOV. 6-8. Chrysanthemum show Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill-on-Hudson, N. Y.
- ORANGE, N. J., NOV. 6-8. Chrysanthemum show New Jersey Floricultural Society. Peter Duff, Sec'y.
- NEW HAVEN, CONN., NOV. 6-8. Chrysanthemum show New Haven Chrysanthemum Club.
- DENVER, NOV. 6-9. Chrysanthemum show Denver Florists' Society. Adam Kohankie, Sec'y, P. O. box 375, South Denver, Colo.
- WORCESTER, MASS., NOV. 7. Chrysanthemum show Worcester County Hort. Society. Edw. W. Lincoln, Sec'y, 18 Front St.
- NEWPORT, R. I., NOV. 7-9. Chrysanthemum show Newport Hort. Society. Alex. MacLellan, Sec'y, Ruggles Ave.
- SPRINGFIELD, MASS., NOV. 12-14. Chrysanthemum show Hampden County Hort. Society. W. F. Gale, Sec'y.
- KANSAS CITY, MO., NOV. 12-14. Chrysanthemum show Kansas City Florists' Club. Samuel Murray, Sec'y, 1017 Broadway.
- MONTREAL, NOV. 12-14. Chrysanthemum show Montreal Gardeners' and Florists' Club. Fred Bennett, Sec'y, 255 St. Martin St.
- DAVENPORT, IOWA, NOV. 12-15. Chrysanthemum show Tri-City Florists' Club. A. W. Van der Veer, Sec'y, room 35, Masonic Temple.
- ATLANTA, GA., NOV. 12-15. Chrysanthemum show at Atlanta Exposition. Geo. M. Bradt, chairman, Kenyon Building, Louisville, Ky., till Nov. 1; after that date, Y. M. C. A. Building, Atlanta, Ga.
- DAYTON, O., NOV. 12-15. Chrysanthemum show Montgomery County Hort. Society. F. W. Ritter, Jr., Sec'y.
- EVANSVILLE, IND., NOV. 12-16. Chrysanthemum show Evansville Florists' Club. J. A. Howsley, Sec'y.
- ST. JOHN, N. B., NOV. 13-14. Chrysanthemum show St. John Horticultural Association. C. G. Knott, Supt.
- READING, PA., NOV. 13-16. Chrysanthemum show. M. H. Schneider, Manager.
- ST. LOUIS, NOV. 13-17. Chrysanthemum show St. Louis florists. E. B. Michel, manager, Magnolia and Tower Grove Aves.
- HOUSTON, TEXAS, NOV. 14-15. Chrysanthemum show Houston Chrysanthemum Club. Mrs. A. H. Mohl, Sec'y.
- GRAND RAPIDS, MICH., NOV. 14-16. Chrysanthemum show Grand Rapids Florists' Club. Geo. F. Crabbe, Sec'y.
- NEW ORLEANS, NOV. 14-17. Chrysanthemum show New Orleans Hort. Society. Paul Abele, Sec'y, Cor. Joseph and Laurel Sts.
- SYRACUSE, N. Y., NOV. 19-21. Chrysanthemum show Central New York Hort. Society. H. Youell, Sec'y, Cor. Lodi and Willow Sts.
- TORONTO, NOV. 19-22. Chrysanthemum show Toronto Gardeners' and Florists' Association. Edwin H. Carter, Sec'y, 280 Gerard St. E.
- NEW YORK, NOV. 26-30. Fall exhibition New York Florists' Club. Jas. L. Donlan, manager, Scarborough, N. Y.; John Young, Sec'y, 51 West 28th St.

#### Chrysanthemum Society of America

The committees on seedlings will hold sessions for making awards to deserving new varieties on Oct. 19 and 26 and Nov. 2, 9, 16 and 23.

Those having seedlings to be considered by the committee should forward same by prepaid express to any of the following:

- BOSTON—A. H. Fewkes, Horticultural Hall.
- NEW YORK—Patrick O'Mara, care John Young, 51 West 28th St.
- PHILADELPHIA—Edwin Lonsdale, 1514 Chestnut St.
- CINCINNATI—R. Witterstachler, Cor. 4th and Walnut Sts.
- CHICAGO—W. N. Rudd, room 202, 185 Dearborn St.

For rules see AMERICAN FLORIST of Oct. 5, page 236, or address Elmer D. Smith, Sec'y, Adrian, Mich.

#### Chrysanthemum Day Dawn.

The subject of our illustration is a new early variety originating with E. G. Hill & Co., Richmond, Ind. The picture perfectly reproduces the shape and habit of this beautiful flower; it will be seen that it possesses size, firmness and excellent foliage. In color it is a warm white, shading to faint sulphur where not fully expanded, the petals curving slightly towards the center. It was in shape to cut during the first week in October. In size it compares with the best of the mid-season varieties, and bids fair to supplant some of the favorite early whites of the present. Blooms were shipped to the

large eastern cities, where they met with a very warm reception. It is safe to say that Mr. Hill has added another valuable trade variety to the list, and we expect Day Dawn will prove of permanent value. It received a certificate from the Chicago committee of the Chrysanthemum Society October 19.

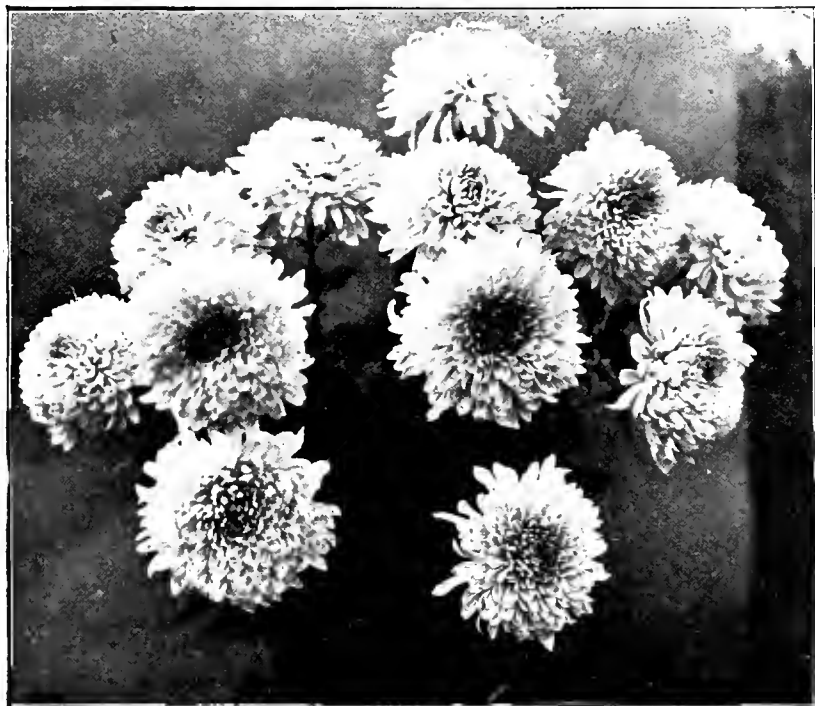


Rose Disease.

What is the cause of the apparently diseased condition of rose leaves sent, and is there a remedy for the same? Suppose the same insect (if it be an insect) causes the tender shoots to wither and curl up. Grafton, W. Va. M. M. J.

The sample shoots received from your correspondent show clearly the disease, which has been fully described in these columns on several occasions, of which I have been unable to find an applicable name, but it is caused by condensed moisture in the greenhouse at a little too low temperature. I have never known it to affect the plants where reasonable care is taken to prevent it, but as your correspondent may never have seen the articles above referred to it may be advisable to give in detail a description of how it is produced and the way it can be prevented.

In the first place a little too much moisture in the house in the fall, combined with a low temperature of say 56° to 58° without fire heat, will be very apt to produce it in any rose house, but more especially where the plants are growing rapidly and producing young soft growths. The preventive is to have the plants and the general atmosphere of the house in a fairly dry healthy condition for the night, and if the temperature falls anything below 60° have just enough fire heat on to expel the surplus condensation which is sure to settle on the foliage in the early morning if the house is at all close and moist. It is far preferable to have just a little fire heat on, and then leave a crack of air on the top ventilators to keep down the temperature if it should get a little too warm. This causes a free circulation of air and prevents the possibility of condensation. Many think because we advocate a temperature of 56° for producing the best quality flowers that when the atmosphere in the fall outside does not fall below these figures a fire is not needed inside. Here is where the whole trouble lies. The temperatures given above are correct for the greater part of the season, and for all times in conjunction with fire heat and plenty of free circulating air among the plants, but the conditions are not the same without fire heat. Anyone can see that for himself early in the morning either in fall or spring, when the temperature at sunrise in the open air may indicate as high as 56° or 58°, and he will find the young foliage studded with dew drops looking like miniature pearls if there is no circulation of air in the greenhouse. This causes a very soft succulent growth, which when the strong sun heat strikes it during the day is almost sure to wilt the young shoots. Let this be repeated two or three times, and the result will be a sudden blackening of the stems; often the foliage will drop off, leaving only bare



NEW EARLY WHITE CHRYSANTHEMUM DAY DAWN.

shoots. If the disease is at all bad it will take several weeks for the plants to recover even with the most careful treatment. Where such is the case, cut all the diseased shoots off to where the wood is healthy; clean off all the leaves which have fallen on the soil; syringe lightly overhead once or twice daily, according to the weather, but hold the plants slightly on the dry side at the roots till they have made some new growths, after which they can be gradually accustomed to more liberal treatment. The same conditions in the spring will produce the same disease, and to prevent it is far easier than to cure it.

JOHN N. MAY.



## Carnation Notes.

There are different conceptions entertained about watering. Some prefer to keep more on the dry side, others say they must have an abundance of water. While some when watering throw the water copiously all over the plants to reach the ground, others are careful to apply the water in such a way as to keep the foliage dry. Waterings should always be done judiciously, and be governed by circumstances.

The first we should learn to understand is the soil, as to its retentiveness of moisture. Soil taken from the same place at one season may act quite differently the next, subject to the treatment it received and to the influence of the atmosphere, frost and rain. A well and easily drained soil is sometimes deceiving as to quantity of water it will take for a thorough watering. The surface may apparently look moist, while the bottom is dry, and much harm will come therefrom.

The next is to learn the nature of the plants. We may imagine we know a great deal, but when we come to delve into nature's mysteries and workings, how little we know. We judge by outward appearance, we see the plants grow and know they cannot do so without water, but if injudiciously applied it may sometimes have very sad consequences.

When we look at the plants in the field, and notice what they can endure, with what little moisture they can tide over a drouth, how they can withstand the scorching rays of the sun at such a time, how on the other side, they can stand the amount of frost as they do, we must come to the conclusion that the carnation has a strong life, is hard to kill. And we wonder how it comes that there is so much of the reverse under glass. Here again comes our work. Their hardiness, their continued blooming, makes them desirable for winter culture, and there we must not forget that the transfer has changed the hardy plant to a greenhouse plant. In this state they can not stand any drouth or deluge of water day after day, neither intense heat or severe cold. We have them where they require our close attention; where we have to supply them with every thing they need. And have gratefully they respond to a careful attention! The one who watches his plants learns to understand their nature and wants, and knows why, when and how, and regarding water I may add where to apply it; he will seldom experience disappointment and failure.

The carnation requires quite a good deal of water and to give it judiciously we must ascertain when, how and where to supply. When selling pot plants the question is often propounded: "How often shall I water them?" The most direct answer is: Water when they need it. How much water to give at the time is seldom asked, and the time to give water depends entirely on the quantity they received before. If a florist asks this question in regard to houses filled with plants, as the other does with his pot,

both will feel rather hurt and astonished, for the answer is quite pert, but nevertheless pertinent.

On a bench with proper drainage, water is needful when the soil has sufficiently dried out, to keep from becoming cloggy and sour, but not so much as to hurt the little rootlets. Then when supplied, it should be given freely so the water penetrates all the soil, not only a part. As to what time of the day to water, depends on how it is done. When only syringing or the water is applied all over the plants it invariably should be done on clear days and early in the morning, so the plants have a chance to dry before night. Yet we have many cloudy days during winter and if water is needful at such a time, and applied in this style, results prove often disastrous. At the same time the plants should never suffer for water, in clear or cloudy days, so this throws up the question how and where to water. This I will try to answer in my next.

To have some good soil to fill the benches for next fall it is time now to look for it, and to commence preparations. The best soil is sod plowed under, letting it lay exposed to the frost. If that cannot be had, give the ground intended to be used a heavy coat of manure, as much as the plow is able to turn under. If heavy clayey soil use strawy manure of any kind, horse manure is preferable. If light sandy ground clean cow manure is the best. Jack Frost is the best plowman, and if this ground gets a good dose of his work, it will prove very beneficial.

FRED DORNER.

## American Dahlia Society.

The first annual meeting of the American Dahlia Society was held at Mr. A. Blanc's, 316 N. 11th street, Philadelphia, Wednesday, October 9, with President Robert Kift in the chair. The attendance was all that could be expected and the committees made very favorable reports. The committee on constitution and by-laws was unable to present draft of same, owing to the extended absence in Europe of the chairman, Mr. Robert Kift. The committee was continued with the request to draft same and report to the secretary at an early date.

The following were elected to membership: Prof. L. H. Bailey, Cornell University, Ithaca, N. Y.; Rev. C. W. Bolton, Pelhamville, N. Y.; Robert Craig, Philadelphia; John German, Haddonfield, N. J.; Harold Otter, Mechanicsville, Pa.; W. W. Wilmore, Denver, Col.; James G. Ousey, Adamsford, Pa. The society was reported to be in a very flourishing condition financially, and rapidly increasing in membership. There were several very interesting discussions, and all agreed great strides had been made in dahlia culture during the past year.

The following officers were elected for the ensuing year: President, Robert Kift; vice-president, Henry F. Michell; secretary, Lawrence K. Peacock; assistant secretary, Clifton Taylor; treasurer, Frank C. Burton; executive committee, A. Blanc, chairman; Chas. H. Allen, Howard M. Earl, J. D. Eisele, David Rust, Frank Bassett, Robert Kift, Henry F. Michell, Frank C. Burton, Lawrence K. Peacock and Clifton Taylor. The meeting adjourned to meet at the call of the secretary to act upon the constitution and by-laws.

The exhibition given in conjunction with the meeting was a decided success. Over one hundred and sixty up-to-date varieties were exhibited which were so skillfully staged and arranged by Mr.



Blanc in his Japanese room as to call forth the admiration of all. All the flowers shown were of perfect form in their class, perfectly double, and considering the extreme and extended drouth were of unusual size. Some of the colors, shades, tints, variegations and blendings were marvelously beautiful. W. P. Peacock, Atco, N. J., exhibited one hundred and one varieties, many being new seedlings never yet offered. Among the best shows were Miss May Lomas, very large, white faintly suffused pale lavender, delicately edged pure soft lavender, valuable as a cut flower; Mme. Moreau, very large deep pink; Pluton, very large, clear soft yellow. Among the cactus type Wm. Agnew, very large, rich dazzling red, the best of its color; Nymphæa, the pink water lily dahlia, beautiful soft delicate pink, and several very large handsome seedlings. Sprig, a new pompon, was especially fine, buff yellow tipped royal purple, a perfect ball; also Eleganta, soft pink, tipped deep rich pink, beautifully quilled, reflex soft pink. The greatest novelty was the new double Tom Thumb dahlia, which grew this year but eleven inches high and bloomed profusely; flowers of good size, clear yellow tipped red. Very valuable for bedding purposes. A great improvement was also noticed in the semi-dwarf varieties. They grow but two and a half to three feet high, require no stakes, are of large size, perfect form and above all have long stems. These new varieties were obtained by crossing the tall and dwarf varieties with above objects in view.

A. B'anc had a very fine collection, among which were Marguerite Bruant, pure white show; Mrs. Langtry, show dahlia, large yellow tipped peach, a beautiful variety; also a variegated foliage variety and several others, including a large vase of Nymphæas.

Rev. C. W. Bolton, Pelhamville, N. Y., sent twenty-eight very fine varieties, Emily, show dahlia, was especially fine, very large, white suffused and flaked lavender.

C. B. E. Taylor, Germantown, Pa., sent fourteen varieties. Show dahlia Puritan, white faintly overlaid pink spotted and penciled crimson, was very fine, as were also his collection of single varieties.

Albert Knapper, Frankford, Phila., also sent in a fine collection, together with some very beautiful clematis.

The exhibition was well attended during the afternoon and evening by the prominent growers and horticulturists, among the latter being Prof. L. H. Bailey of Cornell University, who is going to give dahlias a thorough test the following year, using acres of ground and every named variety procurable.

LAWRENCE K. PEACOCK, Sec'y.

#### Miscellaneous Seasonable Hints.

It does not hurt to let Hydrangea Oaksa get a little frost; it ripens the wood and puts them in better shape for resting during the next three months. Too much freezing will injure them. Pot firmly and give them a soaking of water, after which they should only receive water enough to keep them from shriveling. An ideal place for them for the next three months would be a cold house or pit where the temperature would range from 32° to 40°, but such a place many florists don't have, and they have to do the best they can, so the next best must do. A double row can be stood along the edge of the path of the coolest house you have. A carnation house will do, but don't get them too far away from the

light, and don't put them on the side of the path near the pipes.

At this season you will be called upon to loan out palms for decorations. It is by no means an unprofitable business if properly managed. In our northern clime with the weather perhaps at zero it is difficult to take two or three dozen valuable palms down the street perhaps three miles from the greenhouse. A covered wagon heated by hot water or other means is most useful where the weather is not too severe, but if it is your plants need lots of wrapping all the same, for it often happens that the palms have to be carried a dozen yards from the wagon to the door of the house or church. I have found the most useful plan is to have boxes made for the purpose. They should be as light as possible consistent with strength. A useful size would be 12 feet long, 2 feet deep and 2 feet 6 inches wide with good strong handles at the ends, for when this box is full of plants it will take four good men to lift. The lid of the box should fit down tight. The leaves of the palms should always be tied up with raffia before being laid in the box. With this plan you can pack your plants in the warm shed, lay a cloth of some sort over them and a blanket or two over the lid, and they will go a long way before the temperature in the box will get low enough to injure any plant. Of course you can carry this box into the hall of the house and if madam protests against having that rough looking affair placed on the carpets you can say "Madam, I have large cloths here that will prevent anything soiling your carpet." With all the care of tying and keeping warm such plants as kentias, arecas and latanias will get a shabby look on them after a while, and therefore they should be kept for this purpose and used till they are used up, and then thrown away. And the palms that you want to offer to your customers for sale should not be drawn on for this purpose. If possible these palms should be kept in a lower temperature than those that you are really growing. Those taken from a temperature of 55° will suffer much less when subjected to a low temperature than those that are growing in a night temperature of 75° to 80°.

As long as the ground is not frozen you can plant tulips and hyacinths for your customers. I was asked very recently by a man who has been 20 years in the business how deep to plant tulips; he thought 3 inches. Don't make a mistake; put them down a good 5 inches. I have often noticed that when planted 4 inches below the surface the freezing and thawing which usually occurs in March will get them very near the surface.

You should take advantage during fine weather for the next few weeks to do any transplanting of herbaceous plants that is necessary. Most of the useful kinds are as hardy as a pie plant, and if planted before hard freezing sets in will be all right. If not too late allow me to say that in the successful cultivation of such plants as pæonies, phlox, pyrethrum and others a deep rich soil is the great essential. And don't crowd them, as they will occupy the same spot perhaps for years; give them lots of room to spread both above and below the ground.

WM. SCOTT.

#### Double Leguminosæ.

There are probably far more double pea flowers than is generally realized, but they have been little sought for, because they do not by their doubleness add

greatly to the mass of color in the flower.

Familiar examples are Genista Scoraria, Spartium junceum, Ulex europæus, Lotus corniculatus and some others—all with doubles.

Writers of flower lore should always remember that everything relating to plants abounds with anomalies, and my old friend Seelye of *Vick's Magazine*—no one knows it better than he

JAMES MACPHERSON.

#### New York.

The close of the week found the cut flower trade not very brisk. Roses have been moving slowly, even American Beauties dragging in a most discouraging manner and resisting any attempt at advance in prices. The cut of roses from most growers is not heavy at present, so the lagging can hardly be attributed to immediate over-production. Carnations, however, especially the better grades, have sold well, Scotts reaching 2 per hundred and McGowans 1.50, while Bridesmaid and other novelties brought as high as 4. Violets are coming in slowly, most growers having not yet made a shipment. The quality, at best, is only fair, and 1 per hundred is the limit on price.

It would seem that the chrysanthemum season will be marked by a lower range of prices than ever before for corresponding quality. They move at low figures, and stand still at the first intimation of a rise in prices. The top figure is thirty-five cents, and this is obtained for but few. Yellow and white are plentiful enough. For pink there are a good many Mrs. E. G. Hill and Parker; the latter is unsatisfactory as a bloom, as it drops to pieces too quickly.

Mr. Henry F. Reed of the well-known firm of Reed & Keller, dealers in florists' wire designs, was found dead in Central Park October 19. He had shot himself. There seems little doubt that the unfortunate suicide was temporarily demented; a note was found saying that he contemplated self destruction through fear of insanity. The news will be a shock to a large circle of friends. He was 33 years old.

#### Boston.

The cut flower market has been fairly satisfactory during the past week. Roses are not in too large over stock, and carnations are sold as soon as received. The popularity of the carnation seems to continue unabated, and the limit is not yet apparent. One grower remarked a few days ago that he finds it easier to dispose of one thousand carnations now than one hundred roses. This may be a somewhat overdrawn comparison, but it is practically true in this market, and as to prices the carnation comes dangerously near its rival. As high as \$2.50 per hundred has been paid during the past week for extra Scotts and Nicholsons. Chrysanthemums are coming in more abundantly and in quite extended variety. Prices are lower than in previous years. They must be remarkably fine blooms to bring \$3 per dozen, and the greater majority of them are sold for one-half this price. There are no good double violets coming in yet. Single ones, however, are being received in very fair quality. One good sign since October came in is the activity developed in out of town trade. The florists in the smaller cities throughout this section seem to be generally busy, and the wholesalers have been experiencing a very satisfactory run of this very desirable trade.





Scale  
six inches.

Mrs. M. R. Parker.

Day Dawn.  
Mrs. E. G. Hill.  
Miss M. M. Johnson.

J. E. Lager.  
Mrs. Henry Robinson.

A GROUP OF EARLY CHRYSANTHEMUMS [PHOTOGRAPHED OCT. 19, 1895.]

There have been no seedling chrysanthemums of merit shown here this season yet. At Horticultural Hall on Saturday Jas. Comley showed a group of fine blooms, including some extra blooms of Harry Sunderbruch. W. K. Wood showed a vase of Congo, a grand incurved light yellow of last year's introduction. The prospects for a fine exhibition in November are good. This applies particularly to plants. The private gardeners, who have hitherto shown such wonderful skill in this direction, are preparing to beat the record, and claim to have better plants than ever before.

Mr. Louis Sander, lately on the Beebe estate at Falmouth, has taken the position of outside foreman of the grounds at the Arnold Arboretum.

The Boston & Maine Railroad recently

distributed \$820 in prizes to its station agents for floral displays made at their respective points in 1895. Cliftondale, Mass., took the first premium of \$50, and the second premium of \$40 went to Portsmouth, N. H.

Mr. Chas. Ingram of Reading has been badly poisoned, and came very near losing the sight of one eye permanently. He attributes it to handling the fruit of *Datura cornucopia*.

T. F. McCarthy, the wire design manufacturer, has added a department of moss, ferns and green to his establishment.

The flower stand at the Parker House will hereafter be managed by the proprietors, and M. B. Bunker recently with Wm. E. Doyle, will take charge.

J. Fred Dawson has taken a position in the employ of Mr. F. L. Olmsted.

Visitors in town: P. W. Van der Veur, of Chestnut, Hill, Pa., and Jas. Nisbet of Pawtucket, R. I.

Rochester, N. Y.

Outdoor flowers are getting decidedly scarcer, although a variety of different things are still in market. Among them are sweet peas of fairly good quality, but they do not sell as readily as they do in summer. Dahlias are about gone; the severe frosts in the past week destroyed them. The unfavorable weather and extremely dry season retarded the crops of these flowers to a great extent, and very little money was made out of the bloom this year, but our dahlia growers usually do not depend on the sale of the flowers, growing the roots in large quantities

either under contract or otherwise, and merely look upon the sale of the flowers as an extra income. Dahlia growing is quite an industry in this section, and several firms make a specialty of them, planting large fields of this deservedly popular flower. Cosmos is very late this year; few of the flowers are offered, and what there is finds ready purchasers.

The feathery plumes of eulalias sell well here in the stores; fresh cut with their showy variegated leaves they are decidedly ornamental for large vases, and retain their freshness for a long period. They may be kept for an indefinite time after being dried, but all the dried grasses, etc., are not looked upon very favorably by the majority of people now, and may be dispensed with entirely without hurting the trade in this city. The supply of flowers is still short of the demand; many more could be disposed of if they were to be had. Especially is this the case with good roses. The supply of carnations is fairly good, but in the past week they were scarce on several days; the size and color is improving somewhat, but they are not as large and full yet as we should like them to be. Violets too are very slow in coming in, and large quantities of them could have been disposed of on several occasions within the last few days. What there is of them is far better than last week, the flowers being of very fair size; the California also is improving in size.

Chrysanthemums are not as plentiful yet as they might be, though the call for the early varieties is never so very brisk here until large quantities of them are displayed in the show windows. The first occasion this season to use the queen of autumn largely will present itself in the coming week, when several elaborate wedding decorations are likely to take up all the available stock which is ready to cut. Mme. F. Bergmann is in fine shape now and of very fair size, the earliest white around here. The old Jessica is also in now, and in yellow Mrs. Willdin has been out for ten or twelve days in places where they are grown on shallow benches, while in solid beds they are backward. Plant trade is continuing good, palms taking the lead with some fair sized ferns grown in 6 and 8-inch pots. Some well flowered cyclamens are to be seen in the stores, which along with potted chrysanthemums are about all the flowering plants offered at present. J. B. K.

#### Buffalo.

The past week has been one of great activity among the florists. Several weddings of fair proportions, young ladies coming out into society, and other social affairs have made an active demand for good flowers and they have been very scarce. Good carnations come in insufficient for the demand. There are but a few violets to be seen, and these only poor. Roses are a long way behind the demand and like other cities the call for American Beauty is constant. Chrysanthemums are at this writing just about in quantity, but from the present outlook they are not as great a favorite as in former years. This may alter when finer varieties and flowers are offered. The earliest white here was Mme. Bergmann, and the earliest yellow was J. E. Lager, the latter was a few days earlier than Marion Henderson and next came Yellow Queen, which if not the earliest is a real queen in its color.

Two very large store openings this week have made a sensation in town; one is well worthy of note. It is a large

clothing establishment which has just moved into the best half of the new Mooney building. Their rent is forty thousand a year and their opening was in keeping with such a mammoth affair. Every device that the artist and mechanic could suggest is brought into play, and in every nook and corner is seen the finishing touch of the florist. Over \$500 worth of the florist's work is in the various departments and L. A. Anderson was master of the ceremonies. Another good job but not of such magnitude was the opening of Bronner Bros. which was presided over by W. Scott.

I was out at Corfu a few days ago where I saw four fine houses of carnations on Mr. Edwin Gidding's place; the varieties are Daybreak, Scott, Portia, and McGowan, not a bad selection, and all looking about perfect. T. A. Webb has a house of 'mums that are worth seeing. Planted late in 4 inches of loamy sod without the aid of stimulants of any kind they are grand. When I saw them ten days ago they had buds like a baseball and stems like the Duke of Marlborough's cane. Mr. Webb has also three large houses of carnations looking very fine, and two long benches of violets, which look as if they would soon pick thousands from them.

A call on Mr. George Hale a few days ago found him hustling with a large bulb trade. His store is about as cram full of stock as it is possible to put in the same space. George complained that I had not informed his friends through the *FLORIST* that a few weeks ago he had an addition to his family, which was a second son and third child. Weight I have forgotten, but the name will make up for any deficiency in weight. This time it is George Washington Hale who makes his bow to the public.

A florist conundrum originated at Cold Springs last year which I forgot to give to your readers; I think it as good as some that are flying round. Here it is. What chrysanthemum will utterly destroy the king of the forest? "Eat all de Lion." A nice dwarf pink, excellent for side benches everybody knows called "Etoile de Lyon," but perhaps they don't know it with a German accent. W. S.

#### St. Louis.

The third week in October opened with a rush, all the florists being busy and flowers scarce and in great demand. Carnations of all kinds were in great demand, and late comers at the commission houses get left if no order had been placed. Chrysanthemums that come in now from the south are looking better, and a few home grown ones can be seen. Those from the south are Kate Brown, Gloriosa and Yellow Queen. The home grown ones are Marion Henderson, Mrs. E. G. Hill and Bergmann. The southern stock brings from 5 to 12 cents, and home grown from 10 to 20 cents. Roses have gone up a little; good Kaiserin bring as high as 6 cents. Carnations bring 1½, extra fine at 2 cents. Meteors bring 4 cents, Perles 3, Bridesmaids 3. The demand for violets is still great; the commission man can sell all he can get at 25 cents. A few double have come in, and sold at \$1. Very little cosmos this year; what little comes in is bought up at once.

The chrysanthemum show has been postponed for one week. As all the home florists are late with their 'mums the committee did a wise thing last Friday in changing the dates to November 13-17, just one week later. Admission tickets have been distributed to all the florists.

The committee reports everything in good running order, and prospects of a successful show.

At the closing of the Exposition Saturday night, October 19, Band-master Sousa was presented with a large design, a basket standing six feet high and four feet long, all of American Beauties. Just above the basket were two horns of plenty; above all was a large laurel wreath in the center of which was the letter S of white roses, and from the right side of the wreath hung a white ribbon with the letters in gold "Farewell, Sousa"; the design attracted a great deal of attention. It was the work of C. Young & Sons. They also have the decoration of the Commercial Club banquet at St. Nicholas Hotel, which will be all yellow chrysanthemums.

Felter & Brucker are cutting some very fine roses; their Kaiserins are the best in the market at present. All their roses have good color and fine foliage.

At the Bowling Club's roll Monday night only ten members rolled; some good scores were made by C. A. Kuehn, C. Beyer, J. J. Beneke and J. W. Kunz. The next series of 12 games will be rolled according to the new rules, using only two balls. Some of the members have tried it, and say they like it better than the three ball game. Here are the scores of our last roll:

JAPS.		1	2	3	TOTAL
C. A. Kuehn	182	242	181		605
J. Young	121	152	205		478
J. J. Beneke	202	169	209		580
F. Fillmore	101	116	162		382
A. Waldbart	141	131	156		428
Totals	750	810	913		2473
CHINESE.		1	2	3	TOTAL
E. Schray	142	189	196		527
J. W. Kunz	186	193	175		554
F. Weber	159	180	173		512
C. Beyer	225	221	151		600
H. Young	160	159	147		466
Totals	867	915	842		2659

J. J. B.

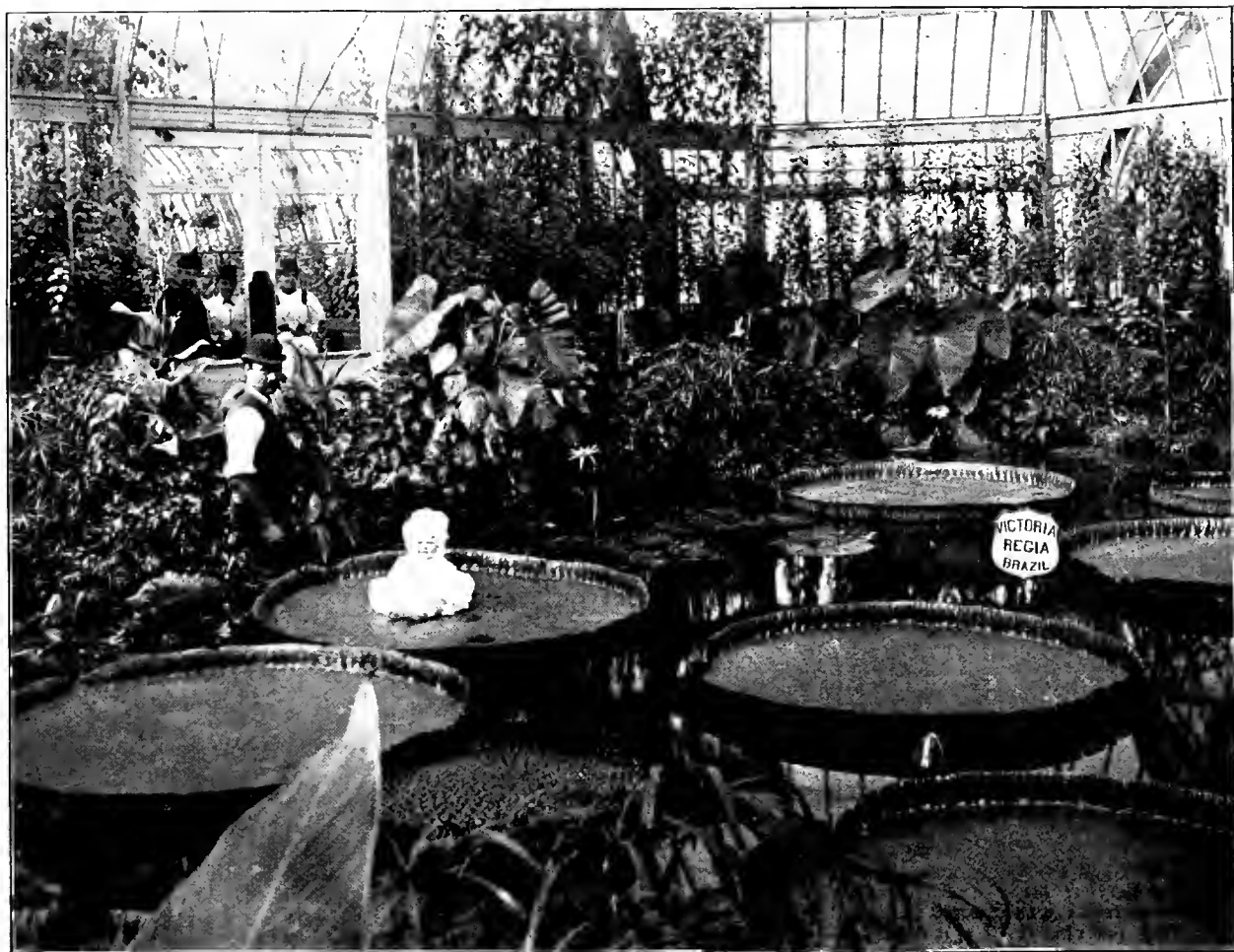
#### St. Paul.

Trade has been very good, and the demand for good flowers has not been fully met. This is much better than to have a surplus, though it seems hard to turn a customer away who would willingly pay \$3 per dozen for Beauties and \$1.50 for good Testout. The quality of the flowers now coming in is very good; the best of any since the warm wave a month ago. White flowers have been very scarce owing to the large demand for funeral purposes. Cosmos has made its appearance and comes very handy for design work. 'Mums are becoming quite common, though the best blooms will come later. Among the earliest and best seen here are the Monarch and Mme. Bergmann.

Since my last notes were written O. Hiersekorn has moved his store to 7th street in a more commodious and a better located store.

Henry Krinke has opened a store on St. Peter street in a good location and should do a nice business.

Stock around town is looking well, notwithstanding the cold, dark weather which we have had of late. 'Mums, though late, are in excellent shape and promise to be very plentiful a little later. Violets are being cut in very limited quantities, hardly enough to create a ripple on the market. Carnations are improving in quality daily, and the rust so prevalent a few weeks since is rapidly disappearing under the influence of the Bordeaux mixture. There seems to be a good demand for tulips for bedding purposes, and at the low prices at which they are now



VICTORIA REGIA AT PITTSBURG.

offered should become popular again for spring blooming.

A recent visit to one of our largest growers disclosed a large lot of Farleyense in 4-inch pots. This beautiful fern always commands a ready sale, especially at the holiday season, and should be more generally cultivated by our growers.

We are sorry to record the waning interest in the florists' society and the fact that our twin cities with a population combined as large as Cleveland, Buffalo or Pittsburg will have no chrysanthemum exhibition this year, while cities of 10,000 to 15,000 within 200 miles are having exhibitions alone. It ought to open the eyes of the florists here and elsewhere who are sleeping and bestir them. Our city will support two good theaters, numerous church fairs, charity ball, an ice palace, etc., and entertain the G. A. R. encampment, but when it comes to a 'mum show the ones who should push it say it won't pay. FELIX.

#### Victoria Regia at Pittsburg.

The accompanying illustration shows a plant of Victoria regia in bloom in the aquatic house of the Phipps Conservatories, Schenley Park, Pittsburg.

The two plants show sixteen leaves, the largest of them measuring 6 feet 10 inches in diameter, and the photograph, taken September 20 by Mr. Blackmore, shows one with a little girl, daughter of Mr. Jos. Spring, foreman of the conservatory, sitting on it. The plants com-

menced blooming in the early part of June and have delighted a very large number of visitors continually since, having from three to six flowers out most of the time. The nymphæas have been a grand success this season. The Columbian, Deanii, Smithiana, Kewensis and pulcherrima have been exceptionally fine. The Australian Nymphæa gigantea is without doubt the peer of them all, a constant bloomer, beautiful shade of color and blooms 8 to 10 inches across.

REGIA.

#### Denver.

Chrysanthi are ripe.

Store men report trade slightly better.

The "Festival of Mountain and Plain," Denver's first attempt at a fall carnival passed off in a blaze of glory. Considering that the entire carnival was suggested planned and executed in less than a month the display was highly commendable. The carnival commenced the 16th, lasting three days. On the afternoon of the first day occurred a grand industrial parade of floats representing Colorado's growth as a territory and state. Many beautiful and costly floats were in line, nearly every county in the state being represented. There were also Indians, Mexicans, burro trains, bands galore, cowboys, everything in fact that could be thought of to add to the allegorical interest of the parade. This parade was an hour and twenty minutes passing a given point. The same evening an illuminated trolley musical was given on the

principal streets, fifteen gaily decorated cars, each containing a military band discoursing sweet music. The second day was devoted to a grand military parade of U. S. regulars, militia and uniformed secret societies, prize drill by the state militia, Indian dances, with a grand bicycle parade in the evening. The third day was opened by a parade of the fire department in the morning, the afternoon was devoted to masking on the streets until 6 p. m., and in the evening the Slaves of the Silver Serpent made their parade of beautiful floats, winding up the carnival with a reception and ball at the Brown Palace. Nearly 50,000 people took advantage of the low railroad rates to visit Denver and all enjoyed themselves.

Mrs. C. R. Gallup decorated the ball room of the Brown Palace for the ball of the "Silver Serpent;" a feature of this decoration was a large panel representing the "Silver Serpent." This was made by Mr. Perry Gallup and over 5000 capes were used in its making. It was greatly admired by all who saw it. Two of the finest and most artistic floats in the Industrial Parade were designed and made by Mrs. C. R. Gallup; one representing a large basket in which were beautiful children dressed to represent different flowers, the whole being labeled "Arapahoe County Buds" was the most admired of all.

The large chrysanthemum house of the Park Floral Co. is looking fine.

Mrs. A. M. Lewis, L. Beer and H. H. Given, the committee of arrangements

for the coming chrysanthemum show, have secured the vacant store on the corner of 16th and Curtis streets, for the exhibition and report that all arrangements have been made to hold what promises to be the most successful show ever held in Denver. These gentlemen are sparing no pains and expense to make the show a winner.

Mr. Ernest Flohr of Canon City was in this city during the carnival.

There has been a scarcity of carnations for a month past. Whites are not to be had at any price and other varieties are hard to get. X. X. X.

#### Toronto.

Florists' windows are full of chrysanthemums now, very good ones too. The sprays with about a dozen flowers on each are quite a thing of a past age now and could scarcely be given away even to charitable institutions. Prices are not high. Twenty-five cents is the most that can be got for large blooms, and not many will fetch that.

The October meeting of the Gardeners' and Florists' Association was very well attended and went off with great spirit and perfect harmony, the discussion on various motions being lively and interesting. Business concerning the coming chrysanthemum show was quite enthusiastic, every one seeming to take greater interest in it than usual. The scale of points adopted by the National Chrysanthemum Society at Pittsburg and published in the last issue of the *FLORIST* was appropriated in toto, though some thought that a scale with only ten points would answer the purpose just as well and be simpler. A large quantity of decoration material was ordered and as Mr. C. Tidy has charge of this department it is safe to say that the decorations this year will be suitable to and worthy of the occasion. Three new members were elected and two more nominated.

The weather has been very cold the last few days; there were some snow flurries during Sunday last and 12° of frost at night, which finally fixed about all the outdoor stuff left. Now the mosquito is through with presenting his little bill the coal merchant will take a turn; there is always something to worry us. E.

#### Montreal.

The annual chrysanthemum show of the M. G. and F. Club, which will take place in the Windsor Hall on the 12th, 13th and 14th of November promises to excel all former events of the kind in Montreal. It will be under the distinguished patronage of the Governor General of Canada and Lady Aberdeen, who are also expected to be present at the formal opening. Vocal and instrumental music is going to be one of the features. A booth for the sale of flowers is also a new feature this year. The exhibit of plants promises to be better than ever before, and judging from what we have seen during a tour among the growers the twelve plants which will win the cup this year must be models of perfection. It is expected that there will be seven or eight entries in this class. There will also be some wonderful blooms, should the date suit them. It is generally feared that the best won't be ready in time, as many of the growers say that their flowers will be a week later than last year, though the show will be on the same dates. For the first time we expect a large exhibit of seedlings this year, one grower promising over a hundred plants.

One new grower has been added to the list in the person of Mr. John Eddy, the popular president of the club. His place will be managed by his two sons, Mr. Eddy retaining his position of head gardener at "Terrace Bank" where he has been for over 20 years. BEAVER.

#### Pittsburg.

The florists all report a very good week of business, and seem to be convinced that they will have a good healthy trade this winter, but that it will not partake of the nature of a boom. Chrysanthemums are being cut freely and are very fine, as are also roses, and the market is well supplied with both.

E. Hippard, owing to delay in the delivery of the fixtures, did not open his new store last Monday, but fully expects to do so on the 28th inst.

Nothing of importance occurred at the club on Tuesday night, and owing to the unavoidable absence of President Bennett and several of the largest growers the discussion on chrysanthemum rust was postponed until the next meeting.

REGIA.

#### Chicago.

Bassett & Washburn's establishment at Hinsdale is as usual in fine condition. American Beauties are still the leading feature and their 40,000 plants are as fine a lot as can be found in the country. Among the other varieties grown Bride and Bridesmaid are prominent, and of the newer sorts being tried in quantity the principal ones are Mrs. W. C. Whitney, Mrs. Pierpont Morgan and Belle Siebrecht. Mr. Bassett is very favorably impressed with Whitney and will enlarge the space devoted to it. Mrs. Morgan has however, been a disappointment up to date. The growth is satisfactory, but the flowers are very irregular in shape and color and there are frequent buds that do not develop properly. Occasionally there will be a fine well-colored flower but such are too infrequent to make the sort profitable. It is remembered that the Cusin, which was a failure in the west, though very useful in the east, is the parent of Morgan, and it is to be feared that Morgan has inherited the dislike for western soil. But it is hardly fair to entirely condemn on only one season's trial. In freedom of bloom it cannot be excelled, and where extra and uniform quality are not essential it will be useful in the west.

Belle Siebrecht is doing very well in view of the poor quality of the plants benched. The shape and color are good. There seems some tendency to black spot but it is believed that by propagating from selected wood the stock can be largely freed from this defect. The power of recuperation shown would indicate a very vigorous constitution.

Bassett & Washburn have 15,000 chrysanthemums, all benched and grown to single flower, the leading varieties being Ivory, Whildin, Domination, Lincoln and Mrs. Hill, though of course they have also a host of other sorts. Mr. Bassett is very much impressed with the new yellow Miss M. M. Johnson. He calls it a "yellow Ivory" and will grow it largely next year.

George Miller, also at Hinsdale, has 35,000 chrysanthemums in good shape, and Hinsdale will easily supply its share of 'mums this season. Mr. Miller has a pure white sport from Mrs. E. G. Hill, that is a very pretty flower and may be useful. He has carried over several houses

of Meteor instead of replanting and will soon be able to report as to the wisdom of this plan. After chrysanthemums are gone he will devote a house to cucumbers as before and will this season try also a house of tomatoes.

At J. C. Vaughan's, Western Springs, are to be seen about the only large exhibition chrysanthemum plants around the city, and they are certainly ahead of anything grown in this section before. His bench plants for single stem blooms are also in uniformly excellent shape, and the variety is endless. His display of the newer varieties at the exhibition will be exceedingly interesting.

At last the Lake Front Park project seems to be settled. It was thought to be definitely settled months ago, but all sorts of legal quibbles have been raised and an ordinance was introduced in the city council providing against the doubts that had been raised. Quite an opposition developed from certain quarters, but on last Monday night the ordinance was passed, and it would seem as though the project was now proof against opposition.

An effort is being made to have the 40 acres of the Wentworth estate bounded by Wentworth and Stewart avenues and 33rd and 35th streets, converted into a public park. The matter is being agitated by the 4th ward council of the Civic Federation.

Mr. E. G. Hill was in the city last Saturday and Sunday and on the latter day paid visits to the greenhouse establishments of Messrs. Bassett & Washburn, Geo. Miller and J. C. Vaughan.

At the annual meeting of the Florist Club last Thursday evening a very interesting and instructive paper on chrysanthemums was read by Mr. Chas. W. Johnson, the grower of the fine flowers Mr. W. N. Rudd has been sending to market. The paper was emphasized by the exhibition of some blooms of Ivory that were far ahead of anything seen here before. Though not quite fully developed the blooms were immense and on stems about 4 feet in length. We shall print the paper next week.

The annual election resulted as follows: G. L. Grant, Pres.; Charles Held, Vice-pres.; T. F. Keenan, Sec'y.; J. S. Wilson Financial Sec'y.; W. W. Barnard, Treas.; Trustees: Fred Kanst, W. N. Rudd, E. Wienhoeber, C. J. Stromback, Edgar Sanders.

A committee was appointed to arrange for a supper on Thursday, November 7, which will be during the chrysanthemum show.

The sum of \$75.00 was appropriated for a special premium at the coming exhibition.

An invitation was received from the Philadelphia club to be represented at their coming "shoot," but while the kind remembrance was much appreciated none of the members was found who could go.

The bowlers had time for only one game and scores were as follows:

J. S. Wilson	189
Chas. Held	163
W. N. Rudd	76
J. Reeve	89
G. L. Grant	156
P. J. Hauswirth	178
C. W. Johnson	109

At the meeting of the committee of the Chrysanthemum Society October 19, but two varieties were presented before them, both white. One was Mrs. Erskine Phelps from the Parkside Floral Co., Chicago, the other Day Dawn, from E. G. Hill & Co., Richmond, Ind. The first named is somewhat in the way of Marie Louise, and has sold well in the local market, but



its origin being unknown, and some doubt felt whether it was a seedling or merely a little known variety, the committee did not feel justified in awarding a certificate. Day Dawn, of which an illustration appears elsewhere in this issue, received a certificate, and it was the general opinion that in it we have a valuable acquisition. Its vigor, size, shape and tender whiteness leave little to be desired, and it is likely to leave most of our other early whites behind. Mr. Hill brought a bunch of early blooms with him, among which was Mrs. Henry Robinson, a white mentioned in this column last week. This variety originated at P. tcher & Manda's English establishment, stock being afterwards purchased by Mr. Hill. It is a showy flower, blooming from the 15th to 20th of October, the color a very pure white. It deserves extensive cultivation. Mr. Hill also brought for private view a new hybrid tea rose, an exquisite shell pink of great fragrance and vigor. It is as yet unnamed, but we are sure to hear much of it in the near future.

Jacob Enzweiler has recently completed a block of houses at Morgan street and 53d Court.

Trade continues to improve, and the same may be said of the stock. In roses, there are not enough good Beauties to fill the demand; good Beauties are \$2.50 to \$3 a dozen, the latter price being for select stock. All the large teas of first quality stand at \$4 per hundred, and there are some extra long stemmed Kaiserin from Bassett & Washburn that sell for \$5. The same firm is cutting Mrs. Morgan and Belle Siebrecht, the latter showing the firm erect stem and brilliant color we have been looking for; these varieties are just now quoted at \$4. Perle stands at \$3. Mrs. Whitney is seen in fine condition as to foliage and color, and is getting nearer to winter size. Carnations are very scarce, especially white; they are held quite stiffly at \$1.50 if the quality is good, and very ordinary stock is held at \$1. Valley—very good—is firm at \$5.

Chrysanthemums are of course more plentiful, but first quality Majestic, Mrs. Henry Robinson and Yellow Queen are held at \$2 a dozen, scaling down from this to \$1.25 for home grown stock, while the southern stock sells very slowly at \$4 a hundred. There seems very little sale for this; it looks very indifferent when compared with the stock grown under glass. Majestic seems a much better seller than Mrs. E. G. Hill. A few Ivories have appeared, but not many.

Recent visitors: Mr. Williams of the Williams-Wilson Co., Cleveland, O.; E. G. Hill, Richmond, Ind.

#### Philadelphia.

Things are moving along quite lively; there is a good demand for salable stock, and some very poor flowers, particularly in carnations, have been grabbed up quickly the past week. This flower is improving rapidly in quality; there have been some really good Scott and Buttercup, and several other kinds are showing up well. The crop has shortened up considerably the past few days and all kinds are selling well at from \$1 to \$2 per hundred. Hugh Graham is fortunate in having a sport from Daybreak, which has all the good qualities of this famous sort, but is almost as deep in color as Wilder. He has quite a stock of it and finds that all the plants are true to color. This should prove a good thing. Roses are in good supply and sell well at firmer prices. \$4 is asked for the best large teas and \$3

for the small ones. Beauties are selling for \$2 per dozen for the best, smaller stock going for 1.20 to 1.50. No double violets as yet, but there are some fair Luxonne, a single French variety. Risher of Lancaster sent in some good California violets, the first of the season; they were good flowers and fragrant; 75 cents per hundred is the price.

Chrysanthemums are beginning to look like something and really good flowers have made their appearance. Jos. Heacock sent in some fine Yellow Queen; they were almost exhibition stock. Charles Evans is cutting extra fine Marie Louise. Robert Craig has had the finest Mme. Bergmann yet seen; they sold readily at from 2 to 2.50 per dozen. His stocks of the Whitney, Morgan and Siebrecht roses are looking fine and doing well. There are very few pot plants about as yet, but by the latter part of the week there will no doubt be quite good stocks on hand.

There was a rumor afloat of the postponement of the show for one week, as it was thought that many of the best flowers would not be in time, but after a consultation with the director of the Academy it was found to be impossible even if desirable, as the building is rented for the following week, consequently no change could be made. The weather the past week has been favorable to the 'mums and it is thought that there will be sufficient flowers for a good show.

We are pleased to be able to state that John Burton is much better, and was able to be in town the past week; his son is also on the mend. Mr. Lonsdale has been confined to the house for three days with a heavy cold; he is now a little better, and hopes to be about in a day or two. What the matter with the bracing air of Chestnut Hill anyhow?

The Gun Club have been busy with their traps the past week, putting them in shape for the match with the Buffalo boys. The arrangement for operating the traps has been changed, and they will now be pulled by wires instead of ropes, as before.

Every Saturday evening of late a merry crowd of bowlers has met on the Westcott alleys, and some good scores have been made. Last Saturday evening the boys turned out in goodly numbers, over twenty being present. Kennedy made the top score, and showed the boys that he hadn't forgotten how even if he didn't go to Pittsburg. K.

#### St. John, N. B.

The St. John Horticultural Association will hold its second annual chrysanthemum show November 13 and 14. Competition will be keen and some very fine blooms will be shown. Bibbington of Frederickton and Gould of Sussex will be among the exhibitors. The association will make a display of plants and cut blooms, but will not enter for competition. C. G. K.

#### Ansonia, Conn.

Mr. M. A. Hill has built two additional houses, one 16x50 for roses, and the other one 11x100 for carnations. He has also reglazed all his houses, using double glass, and has made various other improvements about his plant. Mr. Hill reports trade improving. X.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

**SITUATION WANTED**—By good rose and carnation grower; single. First-class references. Address AT ONCE, care American Florist.

**SITUATION WANTED**—By competent florist and gardener. Good all around man; single. Address WM. K. 349 1/2 Uncle St., Atlanta, Ga.

**SITUATION WANTED**—By competent rose grower; thoroughly reliable in every way. Apply to ANCHORAGE ROSE CO., Anchorage, Ky.

**SITUATION WANTED**—By commercial greenhouse man; 10 years' experience; single; good references. FRANCIS 153 Harrison Ave., Boston, Mass.

**SITUATION WANTED**—As gardener; a good practical man well up in flowers and plants of all kinds. H. GREENE, Galesburg Greenhouses, Galesburg, Ill.

**SITUATION WANTED**—As foreman or manager. First-class rose, carnation, violet and general cultivator. Long experience in extensive commercial establishments. Only those requiring such need apply. Address A. L. JOHNSON Sandusky, Ohio.

**SITUATION WANTED**—As foreman by a practical grower of roses, carnations, violets, decorative and bedding plants, and forcing of bulbs. A life experience in Europe and this country. The best references. FLORIST, 1623 Chestnut St., St. Louis, Mo.

**SITUATION WANTED**—By a middle aged single man as florist and gardener, private place preferred; 20 years' experience in England and this country; state wages given; good reference. Address FLORIST, care S. Sweetman, So. 10th St., Omaha, Neb.

**SITUATION WANTED**—At once, by German florist, married man; 15 years' experience in palms, roses, carnations, mums, and general stock. Also good designer and decorator, and a first-class landscape gardener. Good testimonials. Commercial or private place. Address P. E. care American Florist.

**WANTED**—Agents to sell Child's Ralmaker nozzle. M. M. JONES, Gen'l Agent, 6122 Oglesby Ave., Chicago.

**WANTED**—Office manager and correspondent in nursery and florist business with mail trade. Address in own hand writing, stating references and past experience; also wages desired. S. H. T., box 965, Orange, N. J.

**WANTED**—A good florist to take charge as a working foreman, about 150,000 feet of glass used for roses, carnations, mums, violets, palms, bulbs, and a general lot of bedding stock. Send references, state experience and wages expected. Address J. F. WILCOX, Council Bluffs, Iowa.

**WANTED**—At once; young man who has had some experience in design work and a fair knowledge of the business in general. Place steady and chance of promotion certain to the right one. State experience, reference, and wages expected, with or without board. Address P. FLANAGAN & Co., Akron, O.

**FOR SALE, RENT OR SHARES**—Greenhouses and celery garden, good business; a bargain. W. J. OLDS, Union City, Pa.

**FOR SALE**—Old established florist business in good condition, 5000 ft. glass, 10 acres land, well stocked with roses, carnations, violets, and general stock, in western New York. For particulars, address MRS. F. WELLS, Batavia, N. Y.

**FOR SALE**—Greenhouse plant consisting of two acres of ground, five greenhouses, water and heating apparatus, nursery trees and plants at less than half value; a rare chance for the right man. J. O. HARRIS & SON, Ottawa, Ill.

**FOR RENT**—Free of charge from now until 15th of August, 1895, three greenhouses 2,320 feet, one 10x20; renter to pay me 10 cents per plant for carnations planted in houses, Wm. Scott, Daybreak, Emily Pierson, McGowan, Albertoli, Portia, Puritan, Tidal Wave, Silver Spray, etc., etc. For information apply to C. O. McLANE, Station X, Chicago.

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Advertisements must reach us by Wednesday to se-  
cure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

**Chrysanthemum Number.**

The issue of the AMERICAN FLORIST for November 16 will be a special Chrysanthemum Number with a title page in two colors, designed by Mr. F. Schuyler Mathews. This number will contain most of the reports of the annual exhibitions, in addition to a review of varieties and latest general information regarding the "Queen of Autumn."

"THE SOIL; ITS NATURE, RELATIONS AND FUNDAMENTAL PRINCIPLES OF MANAGEMENT" is the title of a very useful volume which forms the initial number of the Rural Science Series. It is written by Prof. F. H. King of the University of Wisconsin, and edited by Prof. L. H. Bailey. The subject of soil is now awakening a very keen interest among florists; the importance of some knowledge of its constituents is fully understood, and this monograph will possess much value. The sections devoted to chemical constituents of the soil, nitrogen of the soil and plant feeding, suggest themselves as of special interest. Information is given with a simplicity devoid of cumbersome technicalities, and the book will be found as interesting as it is valuable. (Macmillan & Co., New York, publishers. Price 75 cents.)

WE HAVE RECEIVED from R. Hoffman, gardener to the L. S. & M. S. R. R. at Hillsdale, Mich., blooms of a promising seedling carnation. The color is light red, the flower full and double, with a firm calyx. It is reported as similar in habit to Portia, but a better grower, and seems to have qualities which render it worthy of further trial.

"FOOD PRODUCTS OF THE WORLD" is the title of an attractive volume by Dr. Mary E. Green, one of the jurors on food products at the World's Fair. It will be found of interest to housekeepers, giving scientific knowledge of food materials in interesting form. Published by the Hotel World Co., Chicago.

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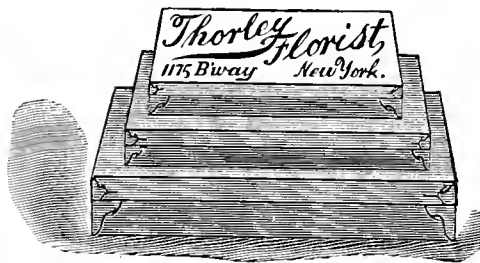
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NEW YORK, Oct. 23.	
Roses, Bride'smaid, Bride, Cusin, Watteville	1.00 @ 4.00
" Meteor, Testout, Kaiserlin	2.00 @ 6.00
" Beauty, curls	1.50 @ 5.00
" extra grade	8.00 @ 30.00
Carnations, ordinary	50 @ 1.00
" fancy	1.50 @ 4.00
Valley	2.00 @ 5.00
Chrysanthemums	5.00 @ 10.00
" fancy	12.00 @ 30.00
Violets	1.50 @ 1.00
Adiantum	75 @ 1.00
Asparagus	35.00 @ 50.00
BOSTON, Oct. 23.	
Roses, general list	4.00 @ 8.00
" Beauty	10.00 @ 25.00
Carnations	75 @ 1.50
" extra	1.50 @ 4.00
Valley	3.00 @ 4.00
Chrysanthemums	10.00 @ 20.00
Violets	.50
Adiantum	75 @ 1.00
Smilax	10.00 @ 12.00
Asparagus	50.00
PHILADELPHIA, Oct. 23.	
Roses, Beauties	15.00 @ 20.00
" teas, large varieties	3.00 @ 4.00
" second	2.00 @ 3.00
Carnations	1.00 @ 2.00
Valley	4.00
Chrysanthemums	15.00 @ 20.00
CHICAGO, Oct. 25.	
Roses, Beauties long	15.00 @ 20.00
" short medium	3.00 @ 12.00
" large teas	3.00 @ 4.00
" select	4.00 @ 5.00
Carnations	1.00 @ 1.50
Valley	5.00
Smilax	12.50
Chrysanthemums select, per doz	1.25 @ 2.00
" southern grown	4.00
ST. LOUIS, Oct. 23.	
Roses, select stock	3.00 @ 5.00
" ordinary	2.10
" Beauties long	10.00 @ 15.00
" short	4.00 @ 8.00
Carnations fancy	1.25 @ 1.50
Valley	4.00
Violets single	.25
" double	1.00
Smilax	10.00 @ 15.00
Asparagus	10.00
Chrysanthemums	5.00 @ 25.00
Cosmos	.50
Adiantum	1.00
BUFFALO, Oct. 22.	
Roses, Beauties	12.00 @ 15.00
" Meteors	4.00 @ 6.00
" Bride'smaid, Mermeta, Bride	4.00 @ 6.00
" Cusin, Perle	4.00 @ 5.00
Chrysanthemums	5.00 @ 15.00
Carnations, fancy	1.25 @ 1.50
" common	1.00 @ 1.25
" short	.50 @ .75
Valley	4.00
Violets	.75
Adiantum	1.00 @ 1.25
Smilax	12.00 @ 15.00
Asparagus	50.00

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bers St., New York, Sec'y and Treas.

## Catalogues Received.

W. Atlee Burpee & Co., Philadelphia, sweet peas; Lohrman Seed Co., Detroit, Mich., bulbs; H. G. Faust & Co., Philadelphia, bulbs; A. Rolker & Sons, New York, florists' supplies; Dingee & Conard, West Grove, Pa., roses and other plants; Milford A. Russell, Highlands, N. C., native plants; L. L. May & Co., St. Paul, Minn., retail list plants and flowers; Dammann & Co., San Giovanni a Teduccio, Italy, seeds.

WE HAVE received the premium list of the Atlanta, Ga., chrysanthemum show, which will be held November 12-15. There is a liberal list of prizes, including other plants and flowers besides chrysanthemums. Schedules may be obtained from Geo. M. Bradt, Y. M. C. A. Building, Atlanta, Ga.

SEND advs. now for our annual chrysanthemum number to be issued November 16.

## Violet Disease.

Referring to a recent inquiry about violet disease, would say that my experience with it is that it is brought on by dampness in the house, and if the plants are not too far gone would recommend that the house be thoroughly dried out, in the meantime working the soil over thoroughly twice a week and removing all the diseased leaves. Then be cautious about watering, and be sure to avoid an excess of dampness. Plants that require a low temperature need very little water. I am convinced that too much water with a low temperature is the cause of much of the violet disease. P. E. B.

Central Valley, N. Y.

## PRIMROSES

## CHINESE PRIMROSES.

We have them by the thousand. We grow our own seed. Can guarantee an equal share of good salable colors. Ready for delivery in 2 3/4-inch pots.

PRICE, \$5 PER 100, or \$40 PER 1000.

Bear in mind that we have also a fine lot of well fruited Otaheite Orange trees for Christmas delivery. Can be sent out with green fruit at present if desired.

CASH WITH ORDER.

CHAS. ZELLER'S SONS,  
FLATBUSH, L. I., N. Y.

Our Annual  
CHRYSANTHEMUM NUMBER

WILL BE ISSUED

November 16.

SEND ADVS. NOW.

## WE HAVE COME TO STAY,

And are clearing out the following goods, SACRIFICING to make more room, and will offer for the first time

EXTRA RYE STRAW MATS.....6x6 feet, each \$1.50; dozen, \$15.00  
Just what you want for your frames.

LILY OF THE VALLEY, select 3 year old pips.....\$9.00 per 1000

LILIUM LONGIFLORUM, single crown, Jap. grown, 7-9, \$4 a 100; \$38 a 1000

IMPORTED COCOANUT FIBRE is an article adapted to propagating  
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CANE STAKES, extra selected.....\$7.00 per 1000

CHINESE LILIES, our own importation.....single basket \$1.65; \$5.00 per 100

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Vilmorin's Colored Lith-  
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We offer this week on the following:

TULIPS, named, 10 kinds, average, per 1000, \$7.50.

CHINESE NARCISSUS, October 10th,  
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HYACINTHS, named and mixed. 50,000 select bulbs

ROMAN HYACINTHS, white, 11 to 12 ctm.  
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L. HARRISH, all sizes, bottom prices.

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L. LONGIFLORUM, Japanese grown, ready.

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84-86 Randolph St.

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Puts up seed in packets, takes all sizes of bags, gauges all quantities  
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5000 SELAGINELLA EMILIANA,  
2-inch pots, ready for use or shift. Best plant  
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SIEBRECHT & WADLEY,  
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Bulbs Ready to Ship.

AURATUMS, SPECIOSUMS, and CHINESE  
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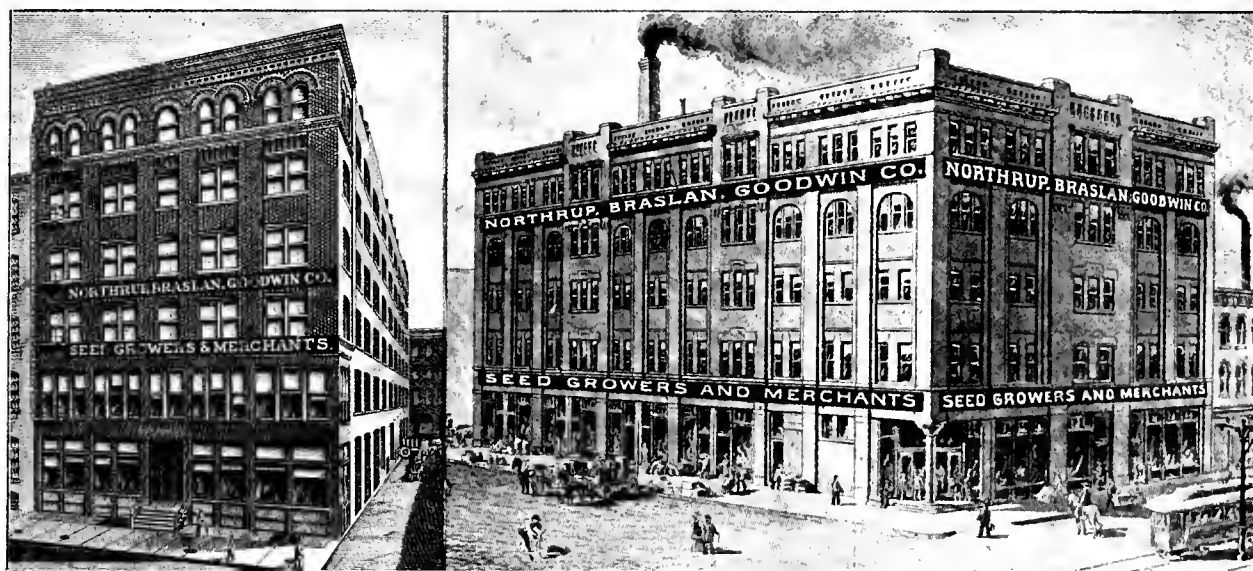
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ROMANS, white, 11-12 cent. .... \$16.00  
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" " 7-9..... 45.00

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Reasonable prices.

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Being **GROWERS** we are in a position to supply **Seeds of first-class quality** and to make **specially low prices**.

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SALES EVERY TUESDAY AND FRIDAY  
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NEW PRICE LIST. Send for it.

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**FREESIA REFRACTA ALBA,**  
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**AURATUMS,** and all other Japan Lilies.  
ESPECIALLY LOW PRICES FOR EARLY ORDERS.

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NOVELTIES A SPECIALTY.  
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Original and largest growers of this important bulb.

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True Stock. Lowest Prices. Best Quality.

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A Highly Concentrated Plant Food.

Used by the leading growers all over the world. Un-  
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horticultural purposes. Genuine only in sealed bags  
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12 lb. sample \$1. G. C. WATSON, 43 N. 10th St., Phila.

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At Wholesale. New Trade Lists now ready.  
Mailed free on application.

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**BULBS FOR FORCING,**  
**FLOWER SEEDS FOR FLORISTS**  
**ENGLISH MUSHROOM SPAWN.**

Special prices on application.

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Dealer in J. M. THORBURN & CO.'S

## HIGH CLASS SEEDS AND BULBS.

Florists and Gardeners (trade a Specialty).  
25 years experience. 7 sorts Cyclamen Seeds. The  
best strain in the world. Send for prices.

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## FIELD GROWN PLANTS.

**DRACÆNA INDIVISA AND LINEATA.**  
\$8.00 per 100, and \$75 00 per 1000.

**HYDRANGEA OTAKSA,** \$12.00 per 100.

CASH WITH ORDER.

**P. B. MEISSNER, Flatbush, L. I., N. Y.**

## CINERARIAS.

We are the largest growers in the  
country. Our strain of this beautiful  
plant is unsurpassed. 2 1/4-in., \$2.50  
per hundred.

**WHITTON & SONS, 90 Roberts St., Utica, N. Y.**

## BULBS

FOR FALL DELIVERY.

For Catalogues address

**C. H. JOOSTEN, Importer,**

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Hyacinths, Tulips, Crocus, Narcissus

AND

**LILIUM HARRISII.**

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**WEEBER & DON,**

Seed Merchants and Growers,

114 Chambers St., NEW YORK CITY.

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

Westerley, R. I.

Mr. S. J. Reuter, known as the largest grower in "Little Rhody," has recently added six 20x100 houses to his extensive plant. These run east and west with the short span to the south and, to use Mr. Reuter's own remark, "were built to last." The "lasting" feature of the houses, it goes without saying, is coupled with many others, such as wide benches, concrete floors, splendid light and the best heating and ventilating apparatus. A handsome and spacious office now in course of erection and built in connection with the greenhouses is nearing completion. Mr. Reuter's specialties are roses and carnations—Perles, Meteors, La France and Kaiserin being his chief varieties in the former—Lizzie McGowan, Daybreak and Scott in the latter. Both look remarkably fine and well grown and it was a treat indeed to go through the sixteen carnation and the twelve rose houses. Mr. Reuter's entire plant is heated by steam. X.

## Greenhouse Building.

Holliston, Mass., J. E. Long, carnation house, 20x128, with head house, office and work room.

New London, Conn., John Spalding, commercial house, 18x50.

W. Hoboken, N. J., H. C. Steinboff, commercial house, 19x175.

Winthrop, Mass., Herbert Belcher, carnation house, 20x152.

Rockville, Conn., Bronson & Cooper, two commercial houses, 30x72 and 20x72.

So. Sudbury, Mass., Coolidge Bros., carnation house, 40x156.

Burlington, Vt., Gove, Nott & McIntosh, two carnation houses 24x168 and 24x58.

Tully, N. Y., L. A. Guilleume, commercial house, 20x100.

Haverhill, Mass., Arthur Mitchell, one greenhouse.

Newark, N. Y., O. R. Allerton, one greenhouse.

Northampton, Mass. Smith College, one greenhouse.

Worcester, Mass., L. C. Midgley, one greenhouse, 12x40.

Lewiston, Maine, Mrs. E. M. Blanchard, one commercial house, 20x150.

Philadelphia, Pa., Elizabeth Futss, one conservatory, 24x60.

Cooperstown, N. Y., Mrs. W. H. Russell, one conservatory.

St. Johnsbury, Vt., C. F. Gibbs, one commercial house, 20x100.

Beverly Farms, Mass., Geo. Ward, one commercial house.

The chrysanthemum joyfully raised her head

And uttered a long-drawn sigh.

"At last there is glory for me," she said;

"There are worse looking bloomers than I."

—Cleveland Plain Dealer.

## Cut Smilax

15 CENTS PER STRING.

THE NATIONAL PLANT CO.

CASH.

DAYTON, OHIO.

## Pandanus Veitchii

WE HAVE SOME EXTRA FINE PLANTS TO OFFER AS FOLLOWS:

5-inch pots.....\$1.00 each  
6-inch pots.....2.00 each  
7-inch pots.....3.00 each

F. DORNER & SON,

CASH WITH ORDER.

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Mention American Florist.

## THE WHITE CANNA CAN NOW BE SEEN

In its full glory, notwithstanding the severe drought, at our Mr. Wintzer's farm at West Grove, Pa. Also the **NEW PURE ROSE, PURE PINK, PURE YELLOW**, and other remarkable Cannas that will be offered by us for the first time this season. The **White Myrosma** also in full bloom now. The **New Golden Cosmos, The Crimson Spiraea, THE BLUE SPIRÆAS, Tecoma Smithii, Solanum Rantonnetti**, and other Novelties in Plants.

Headquarters also for The Strawberry Raspberry, The Raspberry Blackberry, The Mayberry, Stanley Raspberry.

**ROSES.** **Crimson Rambler**, \$6.00 to \$15.00 per 100. **Magna Charta**, 2 to 3 feet, \$6.00 per 100. **Tennessee Belle**, 4 to 5 feet, \$6.00 per 100. **Baltimore Belle**, 4 to 5 feet, \$6.00 per 100. **Meteor**, 1 to 2 feet, \$6.00 per 100. **CAROLINE TESTOUT**, finest plants in the country, \$10.00 per 100. Not less than 100 at these prices.

**Black Callas**, \$6.00 and \$8.00. **Spotted Callas**, \$3.00 and \$5.00. **Purple Callas**, \$3.00 per 100. **Little Cems**, \$5.00 per 100.

Send for Catalogue of Novelties in Plants. Jardinieres and Flower Pots for the trade.

A. BLANC & CO., 314 & 316 N. 11th Street, Philadelphia, Pa.

## EARLIEST LARGE FLOWERING CHRYSANTHEMUMS

MARQUIS DE MONTMORT,

Much in the way of Viviani-Morel. Ready to cut Sept. 29th, 1893. Stock plants 50 cts. each; \$5.00 per dozen.

MERRY MONARCH,

Earliest large white, cut on October 9th. Best early white to date. Price, 50 cts. each; \$5.00 per dozen.

NEMESIS, MISS M. M. JOHNSON, J. H. TROY, PARKER, Jr., 50 cts. each; \$5.00 per dozen. MARION HENDERSON, MAJOR BONNAFFON, MADAME F. BERGMANN, YELLOW QUEEN, and all the staple varieties, 25 cts. each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

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## OUR ANNUAL CHRYSANTHEMUM NUMBER

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PALMS.

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MARIE LOUISE, strong, healthy, field grown plants

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## The Gardening Co.

Monon Building, Chicago.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.



Always mention the American Florist when writing to advertisers.

## New Haven, Conn.

The New Haven Chrysanthemum Club is making active preparations for its annual exhibition to be held in Banquet Hall on November 6-8. A list of entries, a premium list and a general notice, setting forth the rules and regulations of the club, have been spread broadcast, the object of the club being to attract many exhibitors from the rank and file of private gardeners and amateurs, besides the florists. The exhibition, it is expected, will surpass any of the club's previous efforts, quite a number of entries having been registered thus far with many more to come yet.

The first 'mums of the season, and mighty fine specimens at that, have appeared in the florists' show windows and are attracting a good deal of attention from the throngs of pedestrians. Messrs. J. N. Champion & Co. show an especially fine collection of these with the result of booking many orders from the Yale boys, who know a good thing when they see it.

X.

## New Orleans.

The New Orleans Horticultural Society, at a meeting held October 17, decided to postpone the chrysanthemum show to November 14-17, one week later than previously announced. This action was due to the fact that chrysanthemums are late in this section this season. Plants are improving since the cool nights came.

The premiums to be awarded this year amount to \$350, which is \$100 more than was offered at the spring show. Mr. Harry Papworth has gotten up for the society a very neat souvenir program of the coming show, containing in addition to the premium list a history of the society, history of the chrysanthemum, cultural notes and selections of varieties. Any one wishing a copy may address request to Mr. Harry Papworth, 282 Prytania street, New Orleans, La., enclosing 2 cent stamp for return postage.

## Brockton, Mass.

Mr. E. B. Ellis has sold out his store located at 187 Main street to Copeland & Cooper. The store is now being put into the best of order, mirrored walls, new counter cases, incandescent lights, etc., it being the intention of the new firm to conduct a first-class general florist business.

Miss Nellie Forbes, for a number of years with J. Newman & Sons of Boston and more recently with H. E. Barrows of Brockton, will take charge of the cut flower department.

Mr. Copeland's greenhouses are located at the south end of the town, carnations being his specialty. The erection of a good sized violet house is now being contemplated by the firm.

X.

## Louisville, Ky.

Gov. Brown having appointed November 8 as Arbor Day, the pretty custom of planting trees will be observed on that date. It is during this week that the Kentucky Society of Florists will have their flower show and the members concluded to do the generous thing by donating from two to four hundred healthy young trees to the Park Commissioners. The trees will be distributed during the show and will be planted by the children of the various schools of the city.

ADVS. for our annual chrysanthemum number are now in order.

## A SUPERB STOCK

OF

KENTIAS  
ARECAS  
LATANIAS  
ARAUCARIAS  
PANDANUS

AND OTHER

## Decorative Plants.

Come and see for yourself.

ROBERT CRAIG,

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## CYCLAMEN GIGANTEUM.

Extra fine plants out of 3½-inch pots; eight to twelve leaves to the plant, \$1.50 per dozen; \$12.00 per hundred.

## PANSIES. A good strain.

50c. per 100 by mail; \$4.00 per 1000 by express. Cash with the order, please.

JNO. E. DeWALT, Box 82, Carlisle, Pa.

OUR ANNUAL  
CHRYSANTHEMUM  
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November 16. . . .

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CATALOGUE PRINTING.  
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Done with expert ability for Florists.  
Nurserymen, Seedsmen. Write to

J. Horace McFarland Co.

HARRISBURG, PA.

## PANSY PLANTS.

Engle's select strain, 1/2 Roemer's best.  
Plants are fine, \$4.00 per 1000, cash.

W. J. ENGLE, Box 211 Dayton, Ohio.

## Grevillea Robusta.

Strong, 3-inch.....per 100, \$4.00

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1017 Broadway, KANSAS CITY, MO.

PLEASE mention the AMERICAN FLORIST  
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Horticultural  
Manure

contains more plant-food in *one hundred pounds* than is contained in *one ton* of any natural manure.

## Liquid Manure

made from it is cleaner, cheaper and better than from any other source.

In 10, 25, 50 and 100 lb. packages for florists' use. Write for trade prices and pamphlet.

ROBT. L. MERWIN &amp; CO., 88 Wall St., N. Y.

When writing mention American Florist.

CLEMATIS, large fl'g, best kinds, doz. per 100	
PÆONIES, fine Ass't, named..... 1 25	\$3.00 \$22.50
POET'S NARCISSUS, double white, large stock.....	.75
SMILAX, 2½-in., fine plants.....	1.50
DOWNING GOOSEBERRIES, best gro'n, 2.50	

F. A. BALLER, Bloomington, Ill.  
Mention American Florist.

## LEMON OIL INSECTICIDE,

Used now by the leading Florists.

75c. per quart; \$1.25 per ½ gallon; \$2.00 per gallon; \$9.00 for 5 gallons.

HENRY F. MICHELL,  
SEEDSMAN,

1018 Market St., PHILADELPHIA.

SWAINSONA ALBA PLANTS, large, strong, 3-inch pots, \$1.25 dozen; \$8.00 per 100.  
Antirrhinum majus albus, fine winter bloomer, 2½-inch pots, 7 c dozen; \$5.50 per 100.  
Souvenir de Bonn Abutilon, very fine, 2½-inch pots, \$1.00 per dozen.  
GEO. M. BRINKERHOFF, Springfield, Ill;



Syracuse, N. Y.

The chrysanthemum show, which takes place November 12-14, will be held in the Alhambra, the largest hall in the city. The net proceeds are to be given to the Women's and Children's Hospital. On the second evening a promenade concert will be given, and on the last a chrysanthemum ball; each lady and gentleman is expected to wear 'mums. Some florists are wise in their day and generation and quite a few shekels will fall into their pockets. I suppose all societies are alike; the hard work falls on the shoulders of a few, and those who won't work kick.

P. R. Quinlan & Co. are enlarging and remodeling their store, and when completed it will be a beauty. P. R. never does things by halves.

H. Youell undertook to decorate Calvary Church for a harvest thanksgiving service last Wednesday; wheat, corn, oats, barley, rye, autumn leaves, fruits, flowers and vegetables were used. Every one pronounced it the prettiest decoration seen, and he was highly complimented after the service.

H. Y.

Waterbury, Conn.

The dedication of the new Odd Fellows building, which occurred on the 15th inst., the day of the fiftieth anniversary of the organization of this order in Waterbury, was the occasion of a grand parade and ball given by the local members of the fraternity in honor of their numerous visitors and guests from all parts of the state. Thousands of buttonhole bouquets were used for the occasion, both Mr. A. Dallas and Mr. R. S. Rasmussen having had all they could do to turn out the orders. The job of decorating the hall was awarded to Mr. Dallas and to his credit, he it said, he executed the order in the most artistic way, using wagon loads of palms and plants as well as miles of smilax for festooning.

Mr. R. S. Rasmussen gave his Town Plot conservatories a thorough overhauling and has added some excellent varieties to his stock of standard roses and carnations. His building operations during the past summer have not extended beyond the construction of a good sized barn.

During the past week Mr. Dallas was unusually busy with funeral work, having turned out some large, artistic designs. Trade in this town is reported brisk and quite encouraging in general.

X.

Providence, R. I.

The trade for the past week has materially increased; good carnations and roses are bringing fair prices. At present white carnations are very scarce; Helen Keller and Buttercup are eagerly sought after.

Mr. Eddie Johnston opened his new store, corner Weybossett and Union streets, Saturday, with a fine display of palms, carnations and roses; Thomas Johnston, formerly of the firm of Johnston Bros., acting as manager.

The Norwood Floral Co.'s store, of which N. D. Pierce, Jr. is manager, 82 Westminster street, has recently been fitted with large mirrors and other conveniences, which greatly improves the appearance of the store.

L. D. PIERCE.

THE white Marechal Niel rose was recently very favorably reported upon by a committee of a German society who visited Mr. Deegen's place and inspected the rose as grown there.

# CANNAS.

Extra strong field-grown Clumps.  
10 to 15 fine shoots.

CHAS. HENDERSON.....	per doz.	\$3.50	per 100	\$25.00
MME. GROZY.....	"	3.50	"	25.00
ALPHONSE BOUVIER.....	"	1.25	"	10 00
GEOFFROY ST. HILAIRE.....	"	1.25	"	10 00

50 at 100 rate. 100 clumps, assorted varieties, for \$20 00.

Field-grown Carnations and unrooted Geraniums all sold out.

FICUS ELASTICA, AT \$4.00 TO \$6.00 PER DOZEN.

A large stock of Rooted Geranium Cuttings will be ready in about two weeks. Cash with order from unknown correspondents.

C. W. WARD, Manager.

THE COTTAGE GARDENS, Queens, L. I., N. Y.

## WELL BOUGHT IS HALF SOLD.

**BOUQUET GREEN** (Lycopodium), packed under the supervision of our own agents.

**HOLLY**, as choice as the season affords. Full cases, well packed.

Prices, quality and service prove us to be **Headquarters.**

LET US FIGURE ON YOUR WANTS.

**W. W. BARNARD & CO.,**

186 East Kinzie Street,

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## HOT BED SASH.

We carry a large stock of regular size, 3x6 ft. It will pay you to send for our prices

VENTILATING SASH. ALL SIZES TO ORDER.

**FINN, COLE & CO., 8 HOWARD ST., N. Y. CITY.**

Mention American Florist.

**H. BAYERSDORFER & CO.,**  
WHOLESALE  
FLORISTS' SUPPLIES ONLY,

58 N. 4th Street,  
PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

**M. RICE & CO.,**  
Florists' Supplies.

23 & 25 N. 4th St., PHILADELPHIA, PA.

Send for Catalogue.

**John Conley & Son,**  
Manufacturers of  
**TIN FOIL**

2 AND 4 DOMINICK STREET,  
New York.

## New Directory.

A corrected edition of our Trade Directory and Reference Book will be issued Jan. 1, next.

**AMERICAN FLORIST CO.**

P. O. Drawer 164. . . . CHICAGO.

## DEATH TO INSECTS

### Rose Leaf

EXTRACT OF TOBACCO.

PRICE REDUCED

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Mention this paper

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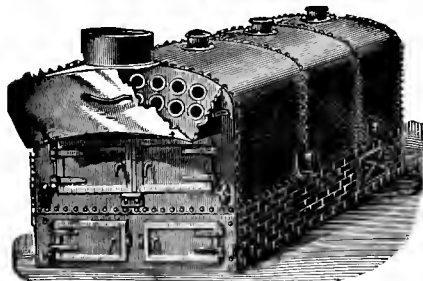
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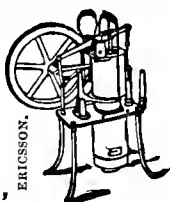
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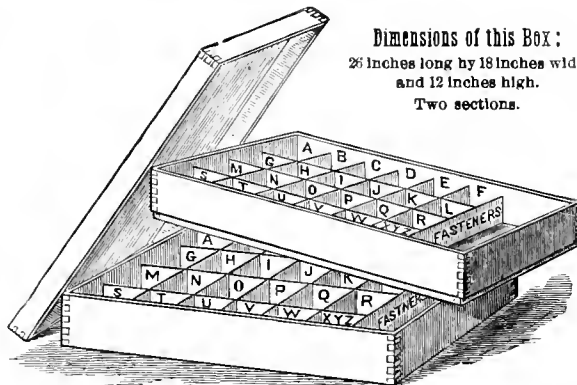
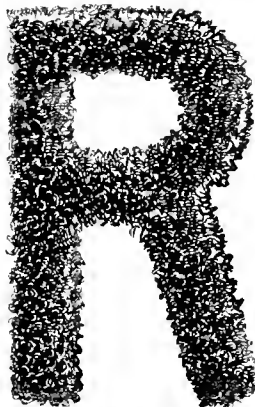
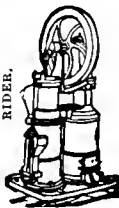
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tisers on this page please mention the  
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You will benefit the American Flor-  
ist by mentioning it every time you  
write an advertiser in these columns.



## News Notes.

Now is the time to send advs. for our special chrysanthemum number to be issued November 16.

OMAHA, NEB.—The park commissioners have let a contract for an artesian well which will supply water for a lake of about 15 acres.

AMESBURY, MASS.—Jos. Freeman has erected a house 50x20, one 50x6 and one 45x10 for carnations and bedding plants at 5, 7 and 9 Hayes street. His residence is 4 Garfield street.

DAYTON, O.—The City Railway has purchased a tract of land just north of Lakeside Park, which will be used as a park. It is also announced that Mr. Adam Schantz will establish a public park south of the city and will expend \$50,000 in developing it.

DES MOINES, IA.—Mr. E. W. Bergstrom has leased his greenhouses to two young men who will continue the business under the firm name of Cline & Balthes. Mr. Bergstrom has been in very poor health for the last two years and it is very doubtful as to whether he will again enter the trade.

NEWBURYPORT, MASS.—Business is very good for this time of the year. Prices are fair and stock taken as a whole is excellent, although the carnations in some places appear to be stunted, but they may come on later. Ed. Pearson has finished another large house, which makes his plant one of the largest in this locality.

ROCKLAND, ME.—Mr. A. C. Mather has added a sash house 7x11 for violets and bedding plants and has also extended his carnation house 10 feet for smilax and ferns. Albert Cunningham is busy building two houses, one 18x75 for roses and the other 16x65 for carnations, all to be heated by steam. He is at the corner of Limerock avenue and Brick street, one of the best locations in the city.

SAN FRANCISCO.—The official report shows the expense of maintaining Golden Gate Park for the year ending June 30, 1895, to have been \$228,643 24. The appropriation for the park for the present fiscal year has been placed at \$300,000. The excess over the amount required last year is to be used in purchasing \$50,000 worth of loam to be placed in the forest beyond Strawberry Hill and \$41,000 to be for the lodge house now in course of construction.

## Jones, McDuffee & Stratton, Plant Pots and Pedestals

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# NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

## AMERICAN FLORIST COMPANY,

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## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Doppfel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Doppfel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

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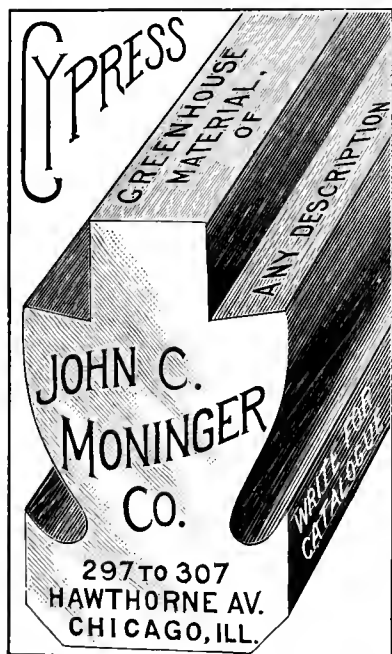
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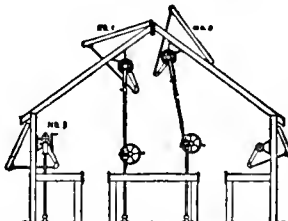
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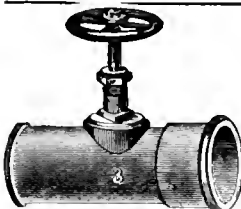
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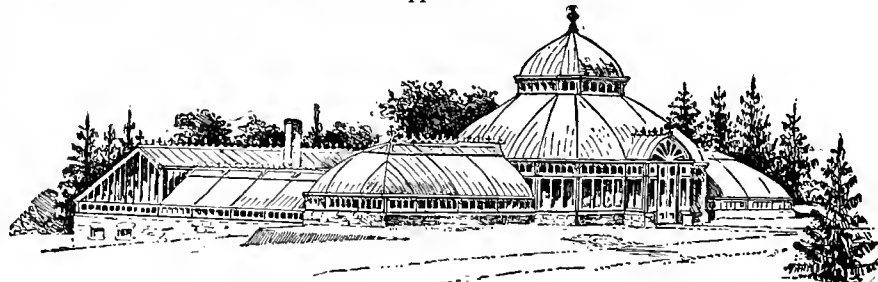
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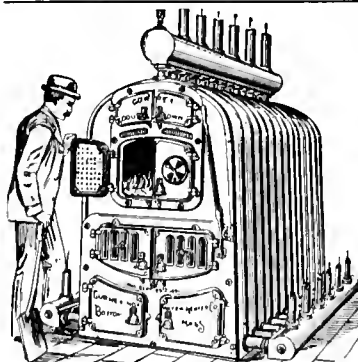
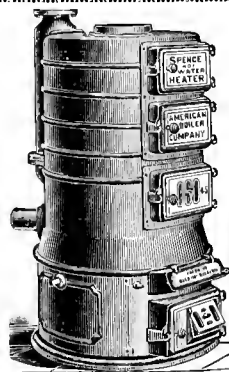
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Vol. XI.

CHICAGO AND NEW YORK, NOVEMBER 2, 1895.

No. 387

## THE AMERICAN FLORIST

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322 Dearborn Street, Chicago.

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Address all communications to

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P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

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OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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New London, Conn.

Mr. W. E. Pendleton has completed a 16x50 additional rose house and is now busily engaged erecting a huge chimney. Mr. Pendleton intends growing violets on a much larger scale than heretofore, the demand for these flowers in this region having always been in excess of the supply. X.



### Culture of Chrysanthemums for Specimen Blooms

BY CHAS. W. JOHNSON.

[Read before the Chicago Florists' Club October 24.]

The culture of the chrysanthemum has been so thoroughly discussed that I will not go into the details of growing specimen plants, but will confine this article to specimen blooms. While chrysanthemums do not bring the price of a few years ago yet good blooms will always demand a good figure, and each succeeding year impresses us more forcibly with the fact that the public demand the very best.

Now that the Queen of Autumn reigns in all her glory it is a good plan to take notes of varieties intended for another year. Note carefully the difference in time of maturity between those taken on crown and terminal buds; also the difference in color in some of the pink varieties, which when the crown bud is taken are very pale and washy. It is of the greatest importance to pay strict attention to every little item, this being one of the main points in the culture of the chrysanthemum.

I plant my first hatch in benches about June 15, and choose only good sturdy plants from 3½-inch pots. For soil I use a good stiff sod with well rotted cow manure that has been stacked in early spring and turned over and over two or three times before using. When turning it over for the last time a good sprinkling of bone meal is added. When put into the benches it is pounded down firmly.

All the plants are grown to single flower, and are planted about 9 inches apart each way. After they are planted very little water is given for a few days, until the roots take hold of the soil. After that they need lots of water, and should be syringed two or three times a day in hot weather, being given all the ventilation possible both day and night.

While chrysanthemums should never be allowed to suffer for want of water great care should be taken to avoid getting them too wet. It is a good plan to take a trowel and examine the beds about every week to see if they are in the same condition all through. Sometimes on a bright day some of the young leaves will wilt and look as if they had been scalded,

which means that they are too wet at the roots, and water should be partly withheld for a day or two.

It is my experience that you can get a greater depth and more substance in the flowers from plants benched in June than from those planted later, though there are some varieties, like Vivand-Morel and Niveus, that will produce fine blooms when planted as late as August 1. Strict attention should be paid to keeping the young plants free from black aphid and greenfly, either by light fumigating or by tobacco dust, both being best used as a preventive rather than a cure. Keep the beds clear of weeds, and remove the lateral shoots as soon as they appear. About the first of August is a good time to give the beds a thin mulching of well rotted cow manure, which acts as a protection for the young roots, also as a little stimulant. This is all the food required until they commence to set the buds. Be careful not to give too strong food when starting, but gradually increase as the buds begin to swell, and reduce it by degrees as they are approaching color. After they show color withhold manures altogether. It is of the greatest importance not to use liquid manure when the buds are dry, as the plant absorbs the food too fast, and diseased foliage and malformed flowers will be the result. It is best to go over the beds and water all the dry spots carefully before applying liquid manure.

In the early part of August some of the early varieties begin to form their crown buds, and if the bloom is wanted early in October these are the buds to take. Yellow Queen was the first variety to develop with me this year, the blooms being ready to cut September 27. These buds were taken August 12. Buds of Mrs. E. G. Hill taken a few days earlier were ready October 8. Toward the end of August the mid-season varieties will commence to set their buds, and for varieties like Ivory, H. L. Sunderbruch and all that are wanted from the 15th of October these are the best buds to take. Some varieties take much longer to develop than others; for instance, I find that Miss Minnie Wanamaker will be ready to cut a week before Mrs. Jerome Jones, though the buds were taken at the same time.

From the first to the fifteenth of September is a good time to select the buds of varieties wanted for exhibition early in November. After the buds are taken it is best to keep a little dry for a few days to help ripening the wood. All side shoots should be rubbed off as fast as they appear. As soon as the nights get cool all watering should be done early in the day, to give the foliage a chance to dry before nightfall. See that the walks are in good condition to prevent moisture from lying around.

Black aphid and greenfly will be very



troublesome at this time; the best way to keep them in check is to lay some tobacco stems around under the benches.

When the buds begin to show color stop feeding. Less water should be given and a dryer atmosphere maintained. When the night temperature falls below 40° outside use a little fire heat, leaving a little ventilation on all night, and keep the inside temperature 48° to 50°. Watch all sudden changes during the day time, opening and closing the ventilators gradually morning and evening. If mildew appears dust lightly with sulphur. Without doubt my method differs from that practiced by some of my hearers, but we all have the one aim, that of producing the ideal chrysanthemum.

#### Coming Exhibitions.

- BALTIMORE, Nov. 4-9. Chrysanthemum show Baltimore Florists' Club. J. G. Rodgers, Sec'y, 117 Park Avenue.
- MILWAUKEE, WIS., Nov. 5-7. Chrysanthemum show. C. B. Whitnall, Sec'y, box 87.
- OSHKOSH, WIS., Nov. 5-7. Chrysanthemum show Oshkosh Florists' Club. Mrs. G. M. Steele, Sec'y.
- BOSTON, Nov. 5-8. Chrysanthemum show Mass. Hort. Society. Robt. Manning, Sec'y, Horticultural Hall, Tremont St.
- NEW BEDFORD, MASS., Nov. 5-8. Chrysanthemum show New Bedford Gardeners' and Florists' club. C. J. Wood, Sec'y, 118 S. Second St.
- KNOXVILLE, TENN., Nov. 5-8. Chrysanthemum show Knoxville Floricultural Society. Henry Fenton, Sec'y.
- CHICAGO, Nov. 5-9. Chrysanthemum show Horticultural Society of Chicago. W. N. Rudd, Ass't Sec'y, room 202, 185 Dearborn St.
- INDIANAPOLIS, IND., Nov. 5-9. Chrysanthemum show Society of Indiana Florists. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.
- PHILADELPHIA, PA., Nov. 5-9. Chrysanthemum show Penna Hort. Society. G. C. Watson, Sec'y, 43 N. 10th St.
- WEST HOBOKEN, N. J., Nov. 6-8. Fall show North Hudson Florists' Club. Fred'k Lehning, Sec'y, Hackensack, N. J.
- PROVIDENCE, Nov. 6-8. Chrysanthemum show Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St.
- FREDERICK, MD., Nov. 6-8. Chrysanthemum show Frederick County Floricultural Society. C. E. Kemp, Sec'y.
- POTGHKEEPSIE, N. Y., Nov. 6-8. Chrysanthemum show Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill-on-Hudson, N. Y.
- ORANGE, N. J., Nov. 6-8. Chrysanthemum show New Jersey Floricultural Society. Peter Duff, Sec'y.
- NEW HAVEN, CONN., Nov. 6-8. Chrysanthemum show New Haven Chrysanthemum Club.
- DENVER, Nov. 6-9. Chrysanthemum show Denver Florists' Society. Adam Kobaukie, Sec'y, P. O. box 375, South Denver, Colo.
- WORCESTER, MASS., Nov. 7. Chrysanthemum show Worcester County Hort. Society. Edw. W. Lincoln, Sec'y, 18 Front St.
- NEWPORT, R. I., Nov. 7-9. Chrysanthemum show Newport Hort. Society. Alex. MacLellan, Sec'y, Ruggles Ave.
- SPRINGFIELD, MASS., Nov. 12-14. Chrysanthemum show Hampden County Hort. Society. W. F. Gale, Sec'y.
- HARTFORD, CONN., Nov. 12-14. Chrysanthemum show Connecticut Hort. Society.
- KANSAS CITY, MO., Nov. 12-14. Chrysanthemum show Kansas City Florists' Club. Samuel Murray, Sec'y, 1017 Broadway.
- MONTREAL, Nov. 12-14. Chrysanthemum show Montreal Gardeners' and Florists' Club. Fred Bennett, Sec'y, 255 St. Martin St.
- MADISON, N. J., Nov. 12-14. Exhibition Rose Growers' Club. James J. Ryan, Sec'y.
- DAVENPORT, IOWA., Nov. 12-15. Chrysanthemum show Tri-City Florists' Club. A. W. Van der Veer, Sec'y, room 35, Masonic Temple.
- ATLANTA, GA., Nov. 12-15. Chrysanthemum show at Atlanta Exposition. Geo. M. Bradt, chairman. Y. M. C. A. Building, Atlanta, Ga.
- DAYTON, O., Nov. 12-15. Chrysanthemum show Montgomery County Hort. Society. F. W. Ritter, Jr., Sec'y.
- EVANSVILLE, IND., Nov. 12-16. Chrysanthemum show Evansville Florists' Club. J. A. Howsley, Sec'y.
- ST. JOHN, N. B., Nov. 13-14. Chrysanthemum show St. John Horticultural Association. C. G. Knott, Supt.
- LONDON, ONT., Nov. 13-15. Chrysanthemum show under auspices of United Charities.
- LOUISVILLE, KY., Nov. 13-16. Chrysanthemum show Kentucky Society of Florists. H. Nanz, Sec'y, 582 Fourth Ave.
- READING, PA., Nov. 13-16. Chrysanthemum show. M. H. Schneider, Manager.
- ST. LOUIS, Nov. 13-17. Chrysanthemum show St. Louis florists. E. H. Michel, manager, Magnolia and Tower Grove Aves.

- HOUSTON, TEXAS, Nov. 14-15. Chrysanthemum show Houston Chrysanthemum Club. Mrs. A. H. Mohl, Sec'y.
- GRAND RAPIDS, MICH., Nov. 14-16. Chrysanthemum show Grand Rapids Florists' Club. Geo. F. Crabbe, Sec'y.
- BUTTE, MONT., Nov. 14-16. Chrysanthemum show. Mrs. D. J. Knox, manager.
- NEW ORLEANS, Nov. 14-17. Chrysanthemum show New Orleans Hort. Society. Paul Abele, Sec'y, Cor. Joseph and Laurel Sts.
- CLEVELAND, O., Nov. 19-21. Chrysanthemum show Cleveland Florists' Club. Wm. Leitch, Sec'y.
- TORONTO, Nov. 19-22. Chrysanthemum show Toronto Gardeners' and Florists' Association. Edwin H. Carter, Sec'y, 280 Gerrard St. E.
- NEW YORK, Nov. 26-30. Fall exhibition New York Florists' Club. Jas. I. Doulan, manager, Scarborough, N. Y.; John Young, Sec'y, 51 West 28th St.

#### Chrysanthemum Society of America.

The committees on seedlings will hold sessions for making awards to deserving new varieties on Oct. 19 and 26 and Nov. 2, 9, 16 and 23.

Those having seedlings to be considered by the committee should forward same by prepaid express to any of the following:

Boston—A. H. Fewkes, Horticultural Hall.  
New York—Patrick O'Mara, care John Young, 51 West 28th St.

PHILADELPHIA—Edwin Lonsdale, 1514 Chestnut St.  
CINCINNATI—R. Witterstaetter, Cor. 4th and Walnut Sts.

CHICAGO—W. N. Rudd, room 202, 185 Dearborn St.

For rules see AMERICAN FLORIST of Oct. 5, page 236, or address Elmer D. Smith, Sec'y, Adrian, Mich.

#### The Chicago Committee.

Four seedlings were submitted to the committee of the Chrysanthemum Society October 26, two being recommended for certificates. The varieties thus honored were October Queen, white, and Sun-clad, yellow, both shown by Nathan Smith & Son, Adrian, Mich. October Queen is a seedling from Mrs. Jerome Jones X Armida; it is a large incurving Japanese, something of The Queen type. The color is very pure, texture good, and the foliage is very handsome. Sun-clad is a glorious golden yellow, its parentage being Mrs. Craig Lippincott X Col. W. B. Smith. It is reflexed, rounding and full, certainly a very striking flower. The two other varieties shown were from E. G. Hill; they were an immense flat incurving yellow and a large reflexed magenta pink. Both were recommended for further trial.

In addition to the chrysanthemums Stollery Bros. of Argyle Park placed a bunch of carnations on view, including Mr. May's Maud Dean and two seedlings of their own, one pink and one white. The pink, which has been named Argyle, is from Tidal Wave X McGowan; it is a bright rose, lighter and yet with more life than Tidal Wave. The shape is similar to McGowan, stems long and firm. It will be watched with interest. The white is McGowan X Silver Spray. We shall expect to see more of Mr. Stollery's seedlings later.

#### Correction.

Mr. Dale's chrysanthemum house is 350x20 instead of "350x10" as printed in "Our long distance telephone" in last week's issue.

A CANARY YELLOW SPORT from chrysanthemum Kite Brown was recently received from Mrs. E. T. Povall, Booneville, Miss. In form and character it was identical with its parent, appearing to share all the characteristics of the latter, so it is likely to be distinctly useful for the same purposes as Kate Brown.

CLEVELAND will have its first chrysanthemum show November 19 to 21. In view of the fact that the next convention of the S. A. F. will be held there it is hoped

that chrysanthemum growers in other cities will assist the local club in making a creditable show. Any information wished may be had by addressing Mr. A. H. Graham, 2849 Euclid avenue, Cleveland, O.



#### Carnation Notes.

Regarding how and where to water, it will be well to look first at the construction of the plant. The general appearance and a casual observance would indicate that remaining on dry side would be the right thing. Although grassy in form, the leaves or blades are stiff and of rather a succulent nature, and the glaucous green color also gives the impression that it will bear dryness. Our experience contradicts this view, for we know if we want good flowers, we must not be sparing with the water. Now again when we examine the leaves we find them covered with a bluish bloom, that easily rubs off, and anyone who takes a close observation will find that foliage abundantly supplied with this bloom will not take water, for the water rolls off like quicksilver, hanging only in drops on the point and edge of the leaf, while when deprived of this bloom, water is more adhesive. Nature provides the foliage with this bluish bloom, impervious to water, as a protection to keep the leaves dry, and the pores open to the air; and as a consequence is a guard against bacterial and fungoid invasions. Nature would not afford this protection, if their cultivation would not require abundant water, necessary for their growth. Bacteria enters most readily with the water through the pores, and we all know fungoid spores want moisture to germinate.

Again the general impression prevails that those varieties with the most glaucous foliage are the healthiest. This can be confirmed by those who grow a number of seedlings. The plants with the light green foliage have generally a short life, and are the first to succumb to diseases. Now this may give the impression that if nature protects so well we do not need to be so careful. But we do not deal now with open air plants, we have to take care of greenhouse plants. The color of the foliage is not quite that deep bluish green as out of doors. That protecting bluish bloom is not so abundantly provided. We may say confinement makes them pale. And what may be the result when we pelt all the water the plant needs over the foliage, and as a consequence make them still paler, more apt to retain the water where it will be of harm? The element so necessary for their growth becomes by an injudicious use a party to its destruction.

Last spring I became conscious of the fact that this bluish bloom can get washed off. When I began watering again over the plants after a lapse of three months, the water running from the plants to the ground, I could observe a fine powdery bluish looking substance in it so much so that the water had a milky looking appearance, and no healthier plants could be seen anywhere than these. This all tends to show how and where we should water. If a syringing is desirable the water should be applied in an easy





NEW CHRYSANTHEMUM OCTOBER QUEEN.

spray falling on the plants like a gentle rain, and not with the force of a storm, as it is often done when the water is run through a contracting nozzle to apply it with more force. This force may be excused, when it is intended to kill something, as for instance the spider. The gentle rain can best be imitated by dividing the water into a spray with the thumb of the hand holding the hose. For general watering the water should only be applied to the soil without wetting the foliage. This is easily done by pushing the hose underneath the plants across the bench, with a gentle flow so it will not wash. We use a contrivance in the form of nozzle of the following construction. Take a common hose coupling, remove the tube from the cap and have a tin tube of the size to fit on to the cap, about four inches long, closed up on the end, with four large holes in a circle around the tube, soldered onto the cap. This makes a nozzle that gives the flow divided from the sides, running towards the plants instead of running straight from the hose, distributing the water more even, and prevents washing. If wire netting is used between the rows this style of applying the water can be done to perfection, as not a plant can be touched and injured with the hose. If a heavy watering is needed, the bench can be inundated, without making a leaf wet. We use this style of watering from November to April, and succeed best in this way in keeping our plants in a healthy growing condition. When syringing is desirable, or when we apply any preventives in the form of the copper solution, we select a day promising to dry the plants off before night.

FRED. DORNER.

#### Short Span to the South.

At the Pittsburg convention the following was in the question box: "What advantages, if any, are there in houses built short span to the south?" The president asked me to respond, which I

attempted to do, but having no idea that I should be called on my remarks were scarcely a reply to the question, being more of a condemnation of the new style as against the equal span or long span to the south. I have felt since that I ought to supplement those remarks by stating what advantages there are about this style of house, for without a doubt there are some, otherwise this house never would have been adopted by anyone. But don't take this for an admission that the advantages outweigh the defects, for in my opinion they don't.

One of the advantages where land is limited is that you can build the houses attached without any space between them, with little or no shade even in the shortest day. The houses I built on this plan are 19 feet wide, of course running east and west. It is not necessary I hope to say that to build this shaped house, if the houses did not run east and west, would be ridiculous. The sash bar on the south or short span side is 8 feet long, and the long span or north slope is 16 feet. When these bars meet at the ridge the latter is about 15 feet from the south side of the house, which is attached on the north, and its height will be about 11 feet, 6 inches, so it is evident that in the shortest day the sun will be high enough at noon to send its rays on the entire short span of the house to the north. Another advantage is that in a house 19 feet wide a very nice arrangement can be made of the benches. The iron supports, either 1 inch or 1 1/4 inches, which all commercial houses should have, can be placed as follows: The one directly under the ridge, the most important one, will be about 4 feet from the south wall. The other one will be about half way down the 16-foot bar, and that comes on the south edge of the north bench. In this house you can have two benches, each about 6 feet, 6 inches, with a narrow path down the middle of the house, and a path at back and front, no bench being against

a wall or partition. This I consider a real advantage.

What the advocates of this style of house consider the great advantage, and most likely the only one they considered, was that the short south span being at an angle of about 65° would receive the solar rays square on its face on the shortest days. If this is an advantage, what a terrible mistake hundreds of people have made, at an expense of hundreds of thousands of dollars, in building the very reverse of this, and putting the long comparatively flat surface to the sun. I hope I won't be considered presumptuous when I say that this talk about direct rays of the sun is folderol; light is what we are after. The little sunshine we actually get from December 1 to February 1 is not worth building a house especially to collect, and in conclusion, after two or three years' experience with these houses, I say that the advantages of this short span to the south do not overcome the long flat roof which slopes to the north, which darkens the house and is a fine place for frost and snow to rest on. I humbly advance the belief that the ideal house is an equal span at a pitch of about 42° and with side light on the south side. This house could not be adjoining another, for the south house would shade the one next to it on the north, but where flower growing is done in earnest there is usually land enough, and the best results obtainable are more of a consideration than a few feet of land or a few dollars in construction.

W. S.

#### Questions About Ferns.

What causes the leaves on *Blechnum brasiliense* and *Lomaria gibba* to turn black, young stock in 2-inch pots?

What is the most successful way to grow ferns from seed, and what kind of soil to sow it in?

SUBSCRIBER F.

*Blechnum brasiliense* and *Lomaria gibba* are both somewhat subject to discoloration of the foliage if given too much moisture overhead, and especially is this the case when grown in a cool house. Try watering them early in the day and giving them free ventilation in order to dry off the foliage before night. With such treatment and a night temperature of 55° this difficulty should be avoided.

Light peaty soil is the most satisfactory for fern spores in general, and should be sifted fine and pressed firmly in 5 or 6-inch pots, the pots containing a fair quantity of drainage material. Before sowing the spores the soil in the pots should be thoroughly watered, and the spores then sprinkled lightly on the surface. These seed pots should then be placed in a shaded house or propagating frame with a temperature of about 65°, it being preferable to plunge the pots in moss, ashes or sand to prevent them from drying out, and if properly cared for no more watering will be needed before the spores have germinated. The seed pots should not at any time be allowed to become very dry, and when watering is necessary the best plan is to give it from the bottom by partially immersing the pots in a pail of water for a few minutes. At this stage of the operation no watering overhead is permissible, for by that means the extremely fine spores would be washed away. After the prothalli or first growth of the seeds appears a little more ventilation should be given in order to prevent "damping off," but until the first frond shows itself on the seedlings rather close treatment is advisable.

W. H. TAPLIN.

## Miscellaneous Seasonable Hints.

Now is a good time to sow seeds of *Cyclamen persicum* if you want fine plants in December, 1896; good plants can be grown in ten to twelve months, but to have fine plants in 6 and 7-inch pots fifteen months is better. *Cyclamen* seed germinates slowly and the covering of soil often becomes covered with some of the many low plant organisms that are always ready to infest stagnant soil. To avoid this it is a good plan to bake a little soil up to a high temperature for a covering; this will kill all vegetable germs. Perhaps you have not had time to give all your *cyclamens* their last shift; don't be afraid that it is too late, it pays to shift them and give them root room, and if some are late all the better, for they sell well even as late as Easter. Greenfly is the great enemy of *cyclamen* and fumigation must be faithfully done. If they are free of this pest some tobacco stems laid among the plants will help greatly to keep the aphids away. *Cyclamens* flower best in a night temperature of 50° to 55°, and must never be crowded, or the plant loses that handsome shape and don't show off its pretty foliage, which is half its beauty.

If your paper white narcissus are well rooted bring them into a cool house where there is plenty of light. At the holidays they pay; they will stand lots of forcing if given plenty of light, but the flowers are much finer when grown in a moderate temperature. Roman hyacinths should be brought in regularly now every week. They want more heat than narcissus during these months. And don't forget to bring in pots or pans of them for Christmas sales. Except the paper white they are about the only bulbous stuff you can have in that shape at the holidays, and they sell well. You should also have some valley in 7 and 8-inch pans for Christmas trade. There is a good demand for them. Cold storage pips are the only ones fit for this purpose. There is lots of time to think about these, as they will only take about 15 days from the cold storage till they are in flower.

The azalea has become a regular Christmas plant, but I have never seen any very acceptable plants as early as this except the well known *Deutsche Perle*, and these are easily got in flower by the holidays. Plants that you have summered over from last year's importations are much better for this purpose than those that have just arrived, but even the latter with a temperature of 60° through December will readily bloom at Christmas. Some will say this is a poor treatment for an azalea just imported, but what does it matter if it is a handsome little tree when you sell it? It will certainly last longer than a dozen roses, costing much more, and will be entirely satisfactory. Azaleas are often (especially when kept warm) troubled with thrips, and they should be frequently syringed; it never can harm them unless when in flower, and will keep the thrips and spider in subjection.

If you grow that handsome and useful genus of orchids, the *dendrobiums* (I allude to noble and *Wardianum*) don't fail when they have matured their growth to give them a good rest in a cool house. You will find when brought into a temperature of 60° to 65° in January they will have greatly benefited by this rest and will flower far more profusely than if kept in the palm house all winter. *Cypripedium insigne* is showing flower early with me, and perhaps with others. It does not hurt them in the least to remove them to a cool house even if the

temperature goes down to 45°, and the flowers will last for weeks, and at Christmas they are always most useful.

WM. SCOTT.

## Watering Adiantums.

What temperature of water should *adiantums* be watered with and what general treatment do they require?

J. G. W.

A safe rule for the watering of *adiantums* is that generally recommended for all warm house plants, namely, to use water about ten degrees warmer than the average temperature of the house in which the plants are growing.

If the *adiantums* referred to are of the most common species, *A. cucullatum*, they can be well grown in a light loam that is moderately enriched with some dry cow manure or other short, thoroughly rotted stable manure, and in a temperature of 58° to 60°. If grown for cutting from *A. cucullatum* may be planted out on a bench containing four to six inches of soil, in which the plants may be spaced about the same distance apart as carnations, and when well established will require abundant watering, but through the winter do not need syringing overhead. From October to April no shading is needed, but for the remainder of the year some protection from the sun is beneficial. Give plenty of ventilation, leaving a little air on the house at night, also just as long as the weather will permit it, but avoiding at all times cold draughts over the plants.

W. H. TAPLIN.

## New York.

A mild excitement has been created during the week by the defection of several growers from the Cut Flower Co., the rumors of possible law-suits in consequence and the activity of the commission dealers, every one of whom is on the alert to establish business relations with any and all seceders. Notwithstanding this, however, the representatives of the combine present a cheerful front. Messrs. Taylor, May, Hillman, Nash, Ward and others have all had their shoulders to the wheel during the past week, Mr. Cosgrove has been installed as superintendent of the receiving department, and the business seems to run more smoothly as time goes by.

Slowly, but surely, the chrysanthemum is working up to the surface. The height of the season is still some distance off. There are a good many fine blooms in, but the small inferior stock is the most abundant and some of the largest growers have not yet sent in a single bloom. A few very fine Ivories have been received and have sold at sight; in fact all white varieties of good quality have been in brisk demand, and fair returns have been realized, but yellow has been in over-supply and has been disposed of with difficulty. Mrs. Parker, which is the foremost variety in pink at present, has proved unsatisfactory generally on account of its tendency to shed its petals when handled, and for this reason is not likely to enjoy any extensive popularity. Roses have improved in quality until in some cases they are fully equal to the best mid-winter cut. Messrs. May, Asmus and Taylor are all cutting superb roses, and extra select Brides from the establishment of the latter gentleman have brought as high as \$15 per hundred.

The sidewalk in front of Thorley's window on Broadway has been continually crowded with admirers, the sensation

being a table decoration in green. The flowers used were *Cypripedium insigne*. The *cypripediums* were arranged with asparagus and *adiantum* in a massive wreath surrounding the candelabra, and laid on the cloth here and there with sprays of leucothoe and bunches of white grapes. Among the flowers and overhead shone electric lights in globes of soft green color, giving a most beautiful effect. In another window was a great basket of *Harrisii* lilies and *Farleyense* ferns draped with light blue satin ribbon; an attractive picture in itself, and a rare sight for the season, but the crowd had no eyes for anything excepting the *cypripediums*.

Warendorf's window is a big attraction, as it always is, at this season of the year especially, oak, maple and sumach foliage being used in combination with chrysanthemums and other flowers with telling effect. Mr. Allie Warendorf himself is in a frame of mind just at present touching a so-called florists' clam-bake, which took place a week ago and according to the participants proved to be more of a "roast" than a bake. Mr. Warendorf is said to be composing a song with a chorus something like this:

He don't catch me again, again,  
Such fakes gave me a pain, a pain;  
Two dollars and a half,  
No wonder you laugh,  
He don't catch me again, again.

Flower show talk is in the air, and there is every prospect for a successful exhibition. The schedule is out and can be obtained by applying to Mr. Donlan or Secretary Young. The show will open on Monday, November 25, and the premiums for cut chrysanthemums, roses, carnations, etc. will be duplicated on Thursday, November 28.

Messrs. Aug. Rolker & Sons report florists' supply trade as well up to the average and better than they had looked for so early in the season. Returns from the western cities are particularly encouraging and activity seems to be more general in that section at present than in the east.

The plants in the greenhouse belonging to the estate of the late Samuel J. Tilden at Greystone were sold at auction on October 24 by A. & F. Rolker. The collection was of the mixed character usually found at such establishments, and was in good condition. Much of the buying was by parties in the trade, and prices received were considered satisfactory.

Thos. W. Weathered arrived from England on Saturday, October 26, on steamer St. Paul. The old gentleman looks hale and hearty.

Visitors in town: J. N. Champion and S. H. Moore, New Haven, Conn.

## Boston.

On Tuesday, October 29, a delegation comprising twenty-five leading representatives of the local fraternity and one gentleman from across the border, S. S. Bain of Montreal, went to Natick on invitation of Mr. E. M. Wood to view the chrysanthemums at the Waban Rose Conservatories. On arrival at Wellesley the party, under escort of Mr. Wood, took stages for Bailey's Hotel, a place rich in memories of happy times, and where on more than one occasion in the past the boys have been the recipients of Mr. Wood's hospitality. The famous old hostelry set out its best, for the best is none too good when E. M. Wood is master of ceremonies. After fully satisfying the inner man an hour was spent in social intercourse and brief remarks by the guests in congratulation of their host and appreci-



NEW CHRYSANTHEMUM SUN-CLAD.

ation of the auspicious occasion. The ride to the greenhouses was then resumed and in half an hour the vast establishment presided over by the "best grower on the American continent" was reached.

All of the visitors had seen fine chrysanthemums before; they had admired the grand blooms from this very place which had won the big premiums at last year's exhibition and they fully expected to find something out of the common, but they were totally unprepared for what they did find, and they frankly acknowledged it. Wonderful indeed were the specimens of Sunderbruch, Golden Wedding, Ed. Molyneux, Mutual Friend, Vivian-Morel, W. G. Newitt, Niveus, Mrs. Jerome Jones, Inter Ocean, Queen, Robt. McInnes, and grandest perhaps of all the new ones, Philadelphia. Mr. Montgomery stated that this was the first year he had succeeded in getting Golden Wedding perfectly clean and healthy. Sunderbruch he was especially proud of, having cut it in full condition as early as October 10. Robt. McInnes was in much finer shape than last year, and Inter Ocean, which had been a disappointment last season, had made a correspondingly good impression. He called particular attention to the blooms of Vivian-Morel and Inter Ocean, which were up close to the warm overhead pipes, where the dry heat kept them from all dew and dampness, as being much brighter and deeper colored in consequence.

Among the newest varieties the greatest acquisition is Mrs. Henry Robinson, an enormous incurved pure white flower of perfect form, which is already past its best, being among the very earliest. Another gem among the novelties is E. G. Hill's No. 1, which is the richest, purest shade of pink yet seen. M. Richard Dean is a new French variety suggesting Vivian-Morel, but a great improvement in color over that popular sort. Princess

of Japan, Margery Hoffman and Henry Rieman are also among the few out of a host of new varieties that have proved worthy. Mrs. Potter Palmer is a good flower, but the absence of foliage on the upper half of the stem will disqualify it. Gladys Spaulding would be good if the blooms did not come almost invariably one-sided, and Jeannie Falconer has a poor center.

After fully feasting their eyes on the chrysanthemums the visitors went through the extensive ranges of rose houses where Brides, Bridesmaids, Beauties, Cousins, Mermets and Meteors are blooming as they bloom nowhere else, the finest house of all being one of Brides planted in beds and now in their second year, having been cut from continuously since August, 1894. As to the future of Mrs. Morgan Mr. Montgomery is in doubt, as he got no perfect flowers from it until September, and the color does not seem to meet with the same favor as that of the old Cusin. Belle Siebrecht is too weak at present, and it will take time to put strength into it, but he has great faith that it will yet develop into a good rose. Its blooming qualities are unprecedented. There is a bench of each of these two new varieties, and they will both get a thorough test before Mr. Montgomery gets through with them.

#### Toronto.

Business during this last week has lived up considerably and one may now safely say that the florist's busy season has begun in earnest. The store windows are filled with chrysanthemums, roses and carnations of very good quality, the former predominating, perhaps more on account of size than quantity. Prices are pretty stiff too, which shows that the demand is good.

Tidy has some very good specimens of

Ivory, V. Morel, Mrs. E. G. Hill, Bullock, J. E. Lager, Inter Ocean and G. W. Childs from Dale's of Brampton in his King street store. Dunlop, besides some of the above, had a few Golden Wedding in good form, and a bronze, the name of which I could not learn. W. Hill of Yonge street also makes a fine show. Tidy reports the design trade as being very good at present; he had a big wedding decoration, etc. on for this week.

Show matters are progressing rapidly and with more enthusiasm than usual, every one I speak to on the subject seems to be impressed with the idea that we are going to have a record breaker this year and if every one keeps that way until the show is on the boards I have no doubt but that it will. Spicy little paragraphs are already appearing in the various daily papers, and window cards are visible everywhere, contracts for newspaper, boarding and street car advertising have been made, and the most spirited orchestra in the city has been engaged. E.

#### Pittsburg.

The florists' establishments are all looking remarkably brilliant at present, the chrysanthemums now on the market being very fine, in fact they would do to enter in competition at any show in the country. The supply is good and prices are about as last year. There are a great many weddings and receptions taking place and these with the funeral work, of which there is a goodly quantity being done, keeps the florists busy and enables all to report an increase over last year's business.

E. Hippard has his new store only partially arranged, but opened on Monday for business with a fine display, the formal opening is booked for Friday November 1. A. M. & J. B. Murdoch also opened their new establishment on Monday; the decorations were in good taste and arranged very handsomely, the counters, with the overhanging balcony enabling the artists to produce a very fine display. The verdict of those competent to judge is that they have "a gem of a store."

Randolph & McClements had a narrow escape from a very serious loss about a week ago. The boiler in their Forbes street place gave out on Friday evening, necessitating a "patch," which was not finished until Sunday morning, and fire was started at 4:30 a. m. In the meantime the weather man furnished a small cold wave, with the result that in two of the houses the thermometer fell to 34°, but by hard work steam was raised in time to save the stock, of which decorative plants and palms form a large part.

Next week will be quite a gala week in Pittsburg. On Tuesday night the dedication and formal opening to the public of the Carnegie free library, which is a gift from Andrew Carnegie to its citizens of Pittsburg will take place. President Cleveland, Governor Hastings, and many other high officials are expected to be present and help to emphasize the appreciation of such a liberal gift, the whole amount given to erect this building and five others was two million dollars. The art gallery will have for this occasion a loan exhibition of the finest paintings of the best artists, valued at over one million dollars, many of the picture's never being permitted to go out of their owners' possession before. The building will be profusely decorated by the florists here, and the Phipps conservatories will be in exhibition dress also. Walter Damrosch's orchestra and singers from New York will give concerts during the week in con-

nection, with Fred Archer presiding at the great organ and the local singing societies will make the week a great "society" event. The Casino, just opposite the library building on the right entering the park will also open for the winter amusement season; ice skating all fall and winter; the management will have this building very handsomely decorated and the florists are correspondingly happy at the outlook for next week.

Mr. Bennett, superintendent of Schenley Park, has been busy receiving congratulations upon the escape of Mrs. Bennett and children on Sunday; they were driving and the horse was taken sick, falling into an open pipe ditch, upsetting and wrecking the vehicle, but Mrs. Bennett and children were rescued unhurt, but severely shocked.

Mr. H. Kroder of Siebrecht & Wadley was with us this week, he reports trade very good. Mr. A. Dimmock of F. Sander & Co., England was with us two days, he left for Chicago. REGIA.

#### Cleveland.

At the club meeting held October 22 the report of the committee on the subject of holding a chrysanthemum show was received and thoroughly discussed. While the report itself was adverse in its tenor it was so largely through a lack of opportunity to get a thorough canvass of the real situation, and the sentiment of the club members. They had a fear that at first glance seemed well founded, that it would be very difficult to organize and successfully carry through a creditable exhibition with so short a time to make the needful preparations and furnish floral equipment. A close examination of sources of supply, however, developed a strong feeling of confidence that there would be no difficulty on that score. To make assurance doubly sure, it was concluded to make it a flower show, with the chrysanthemum feature given the greatest prominence, the former committee being continued, with power to engage a suitable hall, and to complete all necessary arrangements of every kind. As implied above, the general sentiment is very much in favor of such an exhibition, more especially if the competitive feature is laid aside for this season, and all strive to make a good combined display without introducing the individual exhibit element.

After the satisfactory settlement of the show question and a general expression of views concerning the best means of bringing about a satisfactory culmination had been had, Mr. A. Graham read a brief paper upon the best means of successfully maintaining a florists' organization. The meeting adjourned to meet at a special session to be held October 29 at Mr. Erhardt's store. It was necessary to make this arrangement, as the club room will not be available on that date.

Mr. J. M. Gasser has returned from his European trip and assumed his position as chairman of the executive committee. He reports a very pleasant time, barring some exceedingly rough weather on the Atlantic.

The joint committee formed of the executive and special committees to act in all matters pertaining to the flower show, held a meeting October 25 to make the final arrangements preparatory to the exhibition. The hall, Army and Navy, was engaged for the 19th, 20th and 21st of November with the privilege of using the hall on the 18th for the purpose of getting the exhibits into shape. As th

affair is for the benefit of the club, it has been decided not to make any awards to resident florists, it being thought that it would be much preferable to combine all exhibits in the manner most conducive to a good general effect rather than to allow those florists whose stock, owing to special advantages, happens to be in the best shape for exhibition at the time selected, to reap the greater part of the honors. Another year, with fair notice to all, it is felt that all will be more nearly on a level in every respect and advantages in the matter of larger stocks to draw from would not cut so great a figure.

It should be understood that these conditions do not apply to florists at a distance, as the elements of personal rivalry in business competition would not be so liable to enter into consideration. The committee in charge has also decided to allow outside competitors to mark their exhibits so that they will have the advantage of the value of the exhibit as an advertisement. Home exhibitors will not be allowed to mark or even to group their displays individually. With these features, there can be no shadow of doubt that all outsiders will receive the fairest and most impartial treatment, while city florists cannot possibly feel that the smaller ones are being overshadowed by their larger and stronger competitors. In the meantime tickets have been printed, a good supply of splendid lithographs has been ordered and all the very necessary but uninteresting preliminary details have been got in train. The city members of the craft have taken hold with most gratifying enthusiasm, and taken all in all, the prospects for a thoroughly successful show seem of the brightest. No such enterprise has ever been seriously undertaken here and it would seem as though a good, thorough try at it could not possibly result in failure.

At a special meeting held October 29, reports were received from the various committees, tickets were distributed to those present, and action taken looking to the providing of supplies necessary to the exhibit. Those who were unable to be present and get a stock of tickets can be supplied by the secretary or treasurer. A press committee was also appointed to work up public sentiment to the proper pitch. Those who failed to attend missed a treat, as we had with us Mr. J. Austin Shaw of Brooklyn, whose wise and witty remarks bearing upon flower shows in general were much appreciated. He also favored us with a recitation that was very much enjoyed. We all hope that Mr. Shaw will come our way often and stay long. A.

#### Buffalo.

A soft gentle snow storm has just ceased and left 5 or 6 inches of the beautiful on the ground. This is a blessing. The little inconvenience it may cause some people is nothing compared to the great good it will do to thousands whose wells are dry. It has been a most serious time with several of our village florists to keep their carnations and other crops watered. Many have had to drill their wells down another 30 or 40 feet, and those who thought they could do without this have suffered. While on the subject of wells there are two wells in the village of Corfu that have been watched with great interest for the past few months. They are natural gas wells. The first was drilled last spring, and at a depth of eleven hundred feet a good flow of gas was found. When torpedoed it indicated a pressure that was most encouraging to the plucky

individuals who own it. A second well was drilled and a few weeks ago proved to be a much better producer than the first. And now the village is being piped and the florists will all have the great luxury of this labor saving fuel. The price charged the florist is to be what the coal or coke bill would be for the latter on the railroad tracks at station, so there will be a saving of cartage, stoking, attendance of night fireman, ashes, dust, dirt, etc., and we will have a fire when we want it and we won't have a fire when we don't want it. When old Sol is getting in his work a turn of the valve will do the trick. If there is any industry to which this fuel is peculiarly advantageous it is certainly a greenhouse.

Business is showing better than it has for the past two years at this season, and the demand for almost all flowers can be called brisk. Violets are slow in coming in, few good ones to be seen. Roses of much improved quality are now offered. American Beauty is most in demand and of course the most difficult to get. There are a good many fair chrysanthemums grown in the city, and very fine ones are coming in from Wilkes-Barre and Corfu.

D. B. Long was confined to the house for a few days last week. We don't think it was any more than a little nervous prostration brought on by too close an application to business, for it has been a busy time with him. He is round again hustling as usual. A delegation will leave here on Tuesday next to look at the floral products of the Quaker City, and incidentally to try their hand once more at Peoria blackbirds. We hope we can get enough together to make a team, but at this moment it looks doubtful. If we can't shoot we will have the great pleasure of seeing the boys again.

Mr. Fred Atkins of Short Hills, J. Austin Shaw of New York and Walter Mott of Riverton, N. J., all arrived in town within a few days in the order named, and all feeling well.

The team leaving here for Philadelphia will most likely be J. H. Rebstock, D. B. Long, W. J. Palmer, Jr., S. A. Anderson, William Williams and W. Belsey Scott. W. S.

#### Rochester, N. Y.

Several severe frosts have spoiled the beauty of the flowers, and our gardens now present a rather desolate and forlorn look, although in the herbaceous line many late flowering things are in good shape yet, and this fact should teach us a lesson as to what to plant for a late fall show. These plants are gradually hardened off by the cool nights in September, and when their flowering time comes around are practically proof against ordinary fall frosts, and able to withstand the cold and frosty nights of late October. These night frosts have colored up the foliage on our native trees beautifully, and our parks, especially Seneca Park, with its naturally wooded river banks, which are in many places very steep and almost perpendicular, clothed densely with shrubs and trees, present a magnificent study for the landscape gardener in their different shades and coloring of the foliage, all shades of yellow, bronze and brown, with here and there the various hues of crimson and scarlet intermixed with the soft green of many varieties of willows and the deeper green of white pines, cypress and hemlock. Scarlet oaks, nyssa and liquidambar, along with large patches of sumach, give a decided vivid coloring to the whole picture, and along with a plentiful sprinkling of birch with its silvery white bark, contrasts well



against the bronzy and golden yellow foliage of the surrounding trees and shrubs; it is simply beautiful.

In the nurseries the packing season is still on, and the fall trade in this line has been highly satisfactory, especially in ornamental trees and shrubs of the rarer kinds; less than an average, however, is



done in the line of fruit trees, etc., this fall.

The cut flower trade is continuing good. Chrysanthemums are selling fairly well now, and what stock there is offered is of really good quality, but in roses of all kinds the majority is still very small, with the exception of a limited quantity of home grown stock. Carnations are sold in large quantities, and violets are eagerly taken up as soon as they appear. On the whole trade in flowers is and has been good this fall, better than usual in many respects, and the season is very promising. K.

#### Cincinnati.

The weather the last few weeks has been delightful, cool, clear, and a few mornings heavy frosts were seen. Coleus and other tender soft wooded plants suffered and were blackened. The 'mums are out in full force at last and are to be seen everywhere and bad at all prices. Most of the florists have their windows and stores decorated with them. Hardesty, Peterson, and Baar having nothing in their windows recently but clusters of different varieties. As might be expected with such a flood of chrysanthemums roses are at a discount and are not selling so freely as a few days ago, though prices are down to three cents for very good buds of Bride, Perle, Watteville and Meteor. La France and Bridesmaid must be very nice to bring 4 cents.

Preparations for the great free exhibition to be giving in the flower market are progressing satisfactorily. Carnations and bouvardia are becoming more plentiful, and are much better in quality, but are in less demand proportionately than roses; they bring from \$1 to \$1.50 per hundred. Some very fine Kresken is seen in the market. Lily of the valley is plentiful and sells at four cents, violets are coming

rather poor and a short supply. Smilax is plentiful; it brings 15 to 20 cents.

Two fine seedling chrysanthemums were sent to the committee of Chrysanthemum Society by Nathan Smith & Son of Adrian, Mich. One, October Queen, a white, received 94 points; this variety was cut on October 18, and was received here on the 26th in fine condition. The blooms were firm and equally as good as The Queen, if not better, being ready to cut with the Bergmann. It shows no center, cross between Armida and Mrs. Jerome Jones and the foliage well up to the flower, showing dwarf habit and growth. Mr. Smith says he will grow this variety in place of Bergmann next season. The other was a yellow called Sun-clad; it received 86 points. A cross between Col. W. B. Smith and Craige Lippincott. It has color of Craige Lippincott and form of Col. W. B. Smith. This variety was also cut on October 18, and received here on the 26th in fine condition. P.

#### Two Handsome Trophies.

The accompanying engravings are from photographs of a cup and vase to be offered as prizes at the chrysanthemum show at Butte, Montana, November 14-16.

The cup, which is valued at \$100, is 14 inches high, decorated in relief with chrysanthemums, wrought in gold, silver and copper. It is offered for "best 25 blooms in 25 named varieties."

The vase, valued at \$50, is of silver with gold lining, and is offered for the "best seedling not exhibited prior to 1895, not less than 3 blooms."

It is expected that these prizes will induce eastern growers to compete. Mrs. D. J. Knox, the florist, is manager of the exhibition.

#### Washington.

The Autumn Queen is beginning to assert her rights in the decorations of our florists' windows and on the streets. Marie Louise, Bergmann and Mrs. E. G. Hill have been plentiful and some of them very fine, but as yet there has been nothing very remarkable in the way of really fine blooms, though all the growers say they will have flowers which will surprise our people before the close of the 'mum season. Chrysanthemums are about ten days later in coming in this season with all the growers, they are unable to say whether this is due to the unusual cool October or to the long dry season. There will be no chrysanthemum exhibition by the Florist's Club this fall, but several of florists are preparing for an exhibition in their stores. Owing to the lateness of their bloom they will not be ready to open before the second Monday in November. It has been their custom to open their exhibitions the first Monday in November.

Messrs. J. H. Small & Sons, who usually have the finest display, informed me the other day that they would not be able to open their exhibition before Monday, November 11; they are making preparations to have the finest show they have ever given. These exhibitions are free and they have found them an excellent advertisement.

Outdoor flowers are getting decidedly scarce, even the chrysanthemums grown outside will be a failure. Cosmos and dahlias have also been a failure, all having been nipped by the frosts of the past three weeks, which destroyed all vegetation in that line. Outdoor flowers have been scarce and poor, owing to the unfavorable weather, and extremely dry season.

Trade has improved wonderfully during the past three weeks, both in cut flowers and plants, there has been an unusual demand for decorative plants especially palms, rubbers, ferns and chrysanthemums. All are unanimous in saying that the indications are very favorable for a good brisk season, yet it is a little early to make predictions, but judging from the activity of the past ten or fifteen days, the outlook is unusually good.

Roses were never better at this season nor more plentiful, and the demand is good. Carnations are improving and are in demand. Many of the growers have found it difficult to lift their carnations this season owing to the dry weather. Many have put off lifting thinking a season would soon come, but they have waited in vain and are now forced by the cold to house them, and will have to use extra precautions to keep them from going back. There is a very good demand for 'mums in from 5 to 8 inch pots with from three to a dozen flowers to each.

One of the first 'mum decoration of the season was by Messrs. J. H. Small & Sons, the occasion being the wedding of Miss Jeannette Y. Payson to Mr. Raymond Le Ghait, son of the Belgian minister and secretary of the legation. All the rooms of the lower floor at the residence



were adorned with a profusion of golden and white 'mums, arranged against a background of palms and maidenhair ferns. In the front bay window, where the bridal party stood was a grouping of handsome palms which met at the top, forming a graceful archway. At either side were immense clusters of fifty or more huge Marie Louise chrysanthemums, held gracefully with large bows of broad white satin ribbons, which extended the width of the rooms into the library, forming the aisle through which the party passed. The mantels were banked with ferns studded with chrysanthemums in the most effective manner. A delicate trace of asparagus outlined the doorways. Fully 500 of the finest 'mums in the market were used, making a very striking and



brilliant display. The bride carried a bouquet of white orchids.

REYNOLDS.

#### Nyack, N. Y.

Nyack is a town with much to be proud of, provided it were so inclined, but vaunting is no part of Nyack's make-up, so it reposes quietly amidst incomparably beautiful surroundings on the western shore of the Hudson, and smiles across the broad expanse of river at its neighbors far away on the other side, Irvington and Tarrytown, with their Goulds and Rockefellers, and never feels a twinge of envy. Were Nyack's inhabitants conceited they might sing long and strong the praises of their town as a charming summer resort. They might discard the old Indian name of Nyack and substitute something more romantic, as Moonlight Dell or La France Delight, and the grandly picturesque bluff which juts out clear to the river's edge on the north and shelters the town from the northern blasts, so that salvia, geraniums and cannas are still blooming gayly in the gardens, might be called, if Nyack folk were like other folk, Riverview Crag or Lovers' Paradise, instead of plain "The Hook."

Perhaps the one time in its history that Nyack came near losing its head was when a few years ago her rose growers sprung a big surprise on the New Yorkers by sending to that market the finest roses that had ever been seen there; such La France had never been dreamt of. Had the Nyacker been like some other people he would have had a case of swelled head at once and strutted before his less fortunate brethren as a rose grower of superior attainments and wisdom, but instead he modestly allowed the jealous New York brother to attribute it all to some hidden virtue in Nyack soil, and in his generosity and unselfishness went even so far as to accommodate the needy with a few barrels of the precious stuff. To day La France, however good, is a back number, but Nyack roses are still among the best. American Beauty is a sure crop, and Perle is luxuriant and productive almost beyond belief.

Come to think of it, there is one individual in Nyack who does fully realize his proud position. Visitors looking for fine rose houses will be directed to A. C. Tucker's. Take warning from a victim and ask for Mike, the foreman, before you venture within the portal, await his approach, state your business, and then if satisfactory to his royal highness you may enter, otherwise you will be bounced without ceremony, for "There do be so many crooks around who knows nothing about greenhouses." Mike can grow roses, though.

The largest place in Nyack is that of Tunis De Pew. There are two ranges of houses well stocked with roses, carnations, smilax, ferns and mignonette. Beauty, Kaiserin and Bride do grandly here. Mr. De Pew, Sr., is in rather poor health, and leaves the active conduct of his establishment to his two sons. A pleasanter place to work it would be impossible to find, for the houses are right on the edge of the Hudson, and the windows of the potting shed have an unobstructed view of the river.

Violets are also a successful crop in Nyack. Alexander Dutcher grows violets extensively, and although the houses are low and one is required to stoop to enter, yet he finds something well worth the trouble when once inside, as the plants are very fine, and not a trace of disease has ever entered there, although Mr. Dutcher has been growing them for five

years continuously. This season he has had considerable trouble with a small black worm that feeds on the violet foliage. He tried hellebore on them, but they thrived on that. He then tried tobacco dust; this killed the worm, but injured the foliage as well, so he has had to resort to hand picking as the only relief. Another violet grower is W. R. Davison. Mr. Davison has moved from his former location and erected five sash houses this season; these are filled with violets, but he has had a sad experience with sod grubs which infested the new ground and did terrible damage to his plants.

At South Nyack the old Mendel place is being run by Rummel & Walz, the young men formerly employed in Minneapolis, and who seem to be well started on the way to prosperity, judging by the appearance of their establishment. It comprises about twelve thousand feet of glass stocked with roses, violets, carnations and ferns. Their experience is that there is more money still in La France than in American Beauty. The California violet is being tried here, but has not made a very favorable impression as yet, being a rather shy bloomer.

#### St. Louis.

Trade here is improving steadily. Although the chrysanthemum is much in evidence everywhere from the displays in the windows of our florists yet the real silk edge quality is missing. The poorer grades are very numerous; southern 'mums are being shipped to St. Louis in great quantities, and the market is overstocked with them; the price they bring is only 2 cents. Home-grown stock is coming in very slowly; some fine Hills and Balsleys were seen this week. In the yellow market is largely confined as yet to Whilldin, Gloriosum and Yellow Queen. In white only Kate Brown and Bergmann; Ivory, Queen and Wanmaker are still far behind. The rose market is overstocked just now, but the prices still remain the same as last week. Beauties are in great demand, extra fine stock, long stems, bring 18 cents. Meteors are not good, too many culls among them. Kaiserins are fine and bring 5 to 6 cents; Bridesmaid 3, Woottons 3 and Perles 2. Carnations are scarce and the demand for them is great. Scotts, Daybreaks and any kind of white sell the best. Violets sell well at 25 cents.

The big posters of the chrysanthemum show are out and in the windows of the florists and other stores and make a good appearance. Manager Michel reports everything favorable and prospects good.

Ed. Buechel, the Broadway florist, will open a branch of the Riessen Floral Co. under the new Planters' House next month.

Ayers Floral Co. will soon open their third store in the West End some time next month.

F. C. Weber, Ayers Floral Co., Alex Waldbart, Ostertag Bros. and Luther Armstrong, all West End florists, report business very good, all having weddings and receptions to furnish last week.

Wm. Trillow, late with R. F. Tesson, now of Old Orchard, is sending in some fine roses, as good as any coming to this market.

Recent visitors were Mr. Brown of Brown & Canfield, Springfield, Ill., and A. L. Vaughan of J. C. Vaughan, Chicago.

At the Bowling Club Monday night the Japs beat the Chinese by a score of 2,856 to 2,319; this ended the series of twelve games. The Japs won the series by a score of 10,947 to 10,884. Harry Young

was the lucky man, winning the clover leaf medal for the highest single score, 243, C. A. Kuehn being second with a score of 242. Carl Beyer won the average medal, his total in 12 games being 2,285. J. J. Beneke was second for the average medal, his score being 2,217. The club will not try the two ball games in its next series, it being voted down. The teams will be changed for the next series and will stand as follows:

Japs.	Chinese.
C. Beyer, Capt.	J. J. Beneke, Capt.
D. Helwig.	C. C. Sanders.
E. Schray.	C. A. Kuehn.
Frank Fillmore.	J. W. Kunz.
F. C. Weber.	Alex Waldbart.
H. Young.	J. Young.

J. J. B.

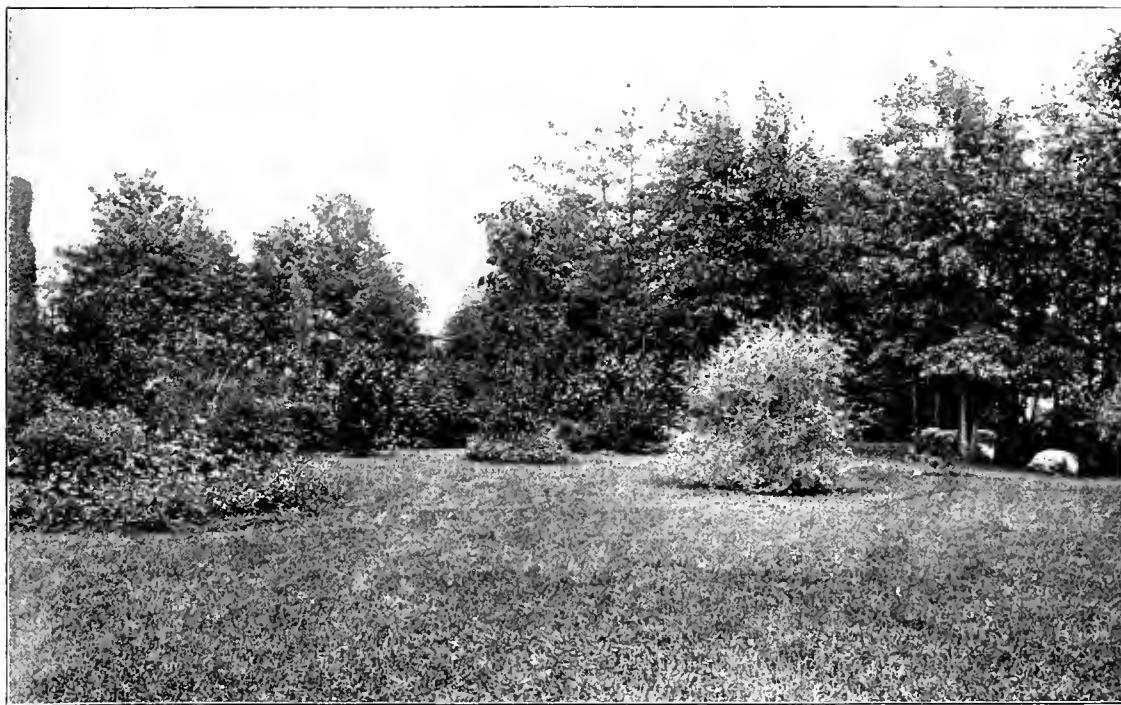
#### Philadelphia.

The improvement still goes on. Weddings have been numerous and there has been considerable to do for funerals, a popular politician's death bringing out some elaborate designs. Roses are getting much better; the past week seems to have made considerable difference. Anderson is sending some fine Kaiserins, in fact they are extra fine. Joseph Heacock is easily first with Beauties, his being the best we remember to have seen at this season of the year, and he says he will have them better soon. Brides and Mer-mets as well as Bridesmaids are also much improved. Lonsdale has commenced to cut the Mrs. Morgan, and if this rose keeps ahead of the others in size throughout the season as it does now it should become a great favorite. Carnations are also still moving along and getting better every day. Pennock, Baker and Reed, our three enterprising commission men, are now receiving some fine flowers but where they come from is a dark secret.

Chrysanthemums are now beginning to assert themselves; they are to be had in almost every color, and some of the flowers are unusually fine, the prominent varieties now in are Marie Louise, Lager, Harry Sunderbruch, Mrs. Whilldin, Ivory, Mrs. Hill, Gloriosum and one or two seedlings. Of the latter Mr. Heacock has a record breaker, it is seven inches and over in diameter, is a beautiful silvery pink much deeper than Mrs. Hill, but comes in at the same time. It is a rather loose flower but is compact enough to give it a globular form. There may be a number of surprises among the seedlings this year, but we think it will be hard to beat this one in its color. It is rumored it is to be called Marion Cleveland.

The prices of flowers remain much the same as last week. Beauties are \$2 per dozen, first division teas 3 to 4 with 5 for a few extra, Lonsdale's Mrs. Morgans are 6 and worth the difference. In the second division the choice brings 3 and seconds 2. Carnations are mean at 1, the majority brings 1.50 and the extras 2. Valley is in good demand at from 4 to 6, the latter stock is very fine and comes from Newport. Smilax sells well, 15 being low, while the best is held at 20. Asparagus 40 to 50. Lonsdale has some of the new white antirrhinum, which sells well, this will we think become a staple flower and rival to swainsona. Mr. Lonsdale speaks well of the Belle Siebrecht he thinks it will become very popular particularly with men who grow and retail their stock, as it is such a prolific bloomer. It seems to be carrying twice as many buds as any other variety as seen on his place.

Mr. and Mrs. Robert Craig celebrated their silver wedding anniversary Monday evening the 28th inst. It was a most enjoyable occasion to all present and



PLANTING OF SHRUBS AND PERENNIALS IN COMBINATION ON THE GROUNDS OF MR. W. C. EGAN,  
HIGHLAND PARK, ILL.

their residence was taxed to its fullest capacity. The rooms were very elaborately decorated, the large dining room being a perfect bower of handsome foliage plants from ceiling to floor completely hiding the walls. The parlors were also tastefully ornamented, the mantels being banked and the orchestra concealed behind a screen of tall palms. In the present room there was a beautiful array of gifts, mostly in silver and cut glass from their many friends, among the others being a handsome desk presented by the employees of the place. The guests were received in the large parlor where Mr. and Mrs. Craig stood receiving congratulations and looking so youthful that it was hard to believe they were celebrating their twenty-fifth anniversary. Among those present were Mr. and Mrs. J. N. May, Miss A. May, J. N. May, Jr., Miss Gamit, Mr. and Mrs. Henry Siebrecht, Mr. and Mrs. Smith of Betzwood, Mr. and Mrs. Edwin Lonsdale, Mr. and Mrs. John Burton, Mr. and Mrs. John Westcott, Mr. and Mrs. W. K. Harris, Mr. and Mrs. Thomas Elder, Mr. and Mrs. John Shellen, Mr. and Mrs. George McLean, Mr. John and the Misses McLean, Mr. and Mrs. John Walker, the Misses Bissett, Mr. D. D. L. Farson, Mr. and Mrs. Robert Kift and many others. The smoke room, where cigars and reminiscences were indulged in, had its complement of guests, mostly wall flowers who did not care to trip the light fantastic. "Dan" was chief of the wall flowers. Dancing was kept up until the wee small hours, when the guests reluctantly took their departure.

Mr. Thos. Cartledge, who was taken sick in Atlanta while at the exposition, on the mend and expects to start for home the latter part of the week. His condition was quite serious for a time and it is very gratifying to report this change for the better.

The chrysanthemum show bids fair to be as good as any of its predecessors if

not better in the display of cut blooms. The entries are coming in well and Secretary Watson says he has no fear but what the exhibition will be first-class in every respect.

The Gun Club took their first practice shoot before the match last Wednesday and have everything in readiness for the event; the prizes are selected and are well worth contesting for, being particularly suited to the wants of gunners. This match will be a very interesting event and the boys should turn out in force to welcome the visitors.

The annual chrysanthemum dinner will be held on the evening of the 6th inst., the day of the shoot, at Dooner's Hotel, 10th and Chestnut. There will be many distinguished persons present, among others the past, present and perhaps future president of the national society.

It is with sincere regret that we announce the death of Colonel Bonnaffon, who was buried last Saturday, the 26th inst. He was a man beloved by all who knew him, and while not a florist he had a large acquaintance with the trade, being very fond of flowers and always taking a great interest in the exhibitions and social gatherings of the craft. K.

#### Planting of Shrubs and Perennials.

The accompanying illustration shows a corner upon the grounds of Mr. W. C. Egan at Highland Park, Ill. Being in plain black and white in the engraving much of the beauty of the scene is lost, but the picture gives a very good idea of this excellent type of gardening. The light olive foliage of the new American weeping willow, which is seen in the right-hand foreground, contrasts beautifully with the dark rich green of the viburnum just to the left of the V shaped gap in the tree line. To the right of the V line is a shrub hole made vacant by death of a specimen which it was too late to replace this last spring, so Mr. Egan

planted there a large yellow hibiscus for center with *Torenia Fournieri* around it, with yellow coleus for border, as a makeshift for the summer. In considering this picture it is well to note the beauty of the sky line and the various contrasts in forms of shrubs and foliage, as well as the brilliant border of gaillardias at the extreme left. The picture is one that will improve steadily upon continued study.

#### Chicago.

The Chicago Florist Club will entertain the judges of the chrysanthemum show at supper Thursday evening, November 7, at Hotel Bismarck, 182 Randolph street, at 8 o'clock. The judges are Messrs. Grove P. Rawson, Elmira, N. Y.; Adam Graham, Cleveland, O., and Edward A. Kimball, Chicago. Mr. Kimball is an amateur but well posted on chrysanthemums.

If you have not made your entry for the exhibition send it at once to Mr. W. N. Rudd, 202 Adams Express Building, Chicago. Exhibits may be sent, charges prepaid, to W. C. Egan, secretary, Battery D, Chicago, but exhibits cannot be received before November 4.

Though the market has been a trifle quieter this week, prices have continued firm, and stock has sold out clean in many lines. So far there has been no glut of chrysanthemums; these flowers seem very late, and few of the mid seasons are in. Some magnificent specimens of Ivory have been cut by W. N. Rudd; they were as long stemmed as any tall sort sent in so far, and superb in finish and foliage. They sell for \$3 a dozen. Pink is short; a few straggling Mrs. Hills still come, but that is all. The Queen is being cut, but is not fully developed, and its tendency to drop its petals lessens its value. A number of yellows are seen. Mrs. Rockefeller has cut Kioto in very fine form, and while the stem is not stiff it does not have the weak neck so often complained

of. Yellow Queen and Gloriosum are also seen. From 1.50 to 2 a dozen is the prevailing price. Southern stock seems to be lessening in volume; there has not been any great quantity sent in this season.

Roses are about the same as last week; 3 to 4 for good stock, while Reinberg Bros. cut some extra Kaiserin that sell for 5. They are very fine flowers, with stems like old Cornelia Cook. White roses are in active demand, but there is an overstock of Bridesmaid. Beauties remain the same as last week. Carnations are still quite scarce, particularly white, and fancy white, Scott and Daybreak sell for 2, other stock being 1 to 1.50, usually the latter figure. Violets are still holding back, and valley is stiff at 5. It is expected the show next week will weaken prices on roses to some extent.

Mr. Alfred Dimmock of F. Sander & Co., St. Albans, England, was a visitor in town this week.

#### Tiffin, O.

I found Mr. Lewis Ulrich unusually busy superintending a small army of men, who are engaged in making extensive alterations and additions to his greenhouses. His three 18x100 rose houses, built last fall, have been considerably altered and extended. One of these covers now 18x150, the second one 18x175 and the third one 18x200. An additional house for azaleas, to cover 25x50, will soon be erected.

The houses are built in the best possible style, with a view to convenience as well as durability, the double glass used being 18x24, butted, with the clipper bar taking the place of the old time contrivances.

A carnation house now in course of erection attracted my especial attention, and is worthy of a few lines of description. The house will cover 50x100, two-foot ventilators to run on the east, west and south sides, while the north side, along the gable, will be provided with a two and a half foot ventilator. The house is to be heated by hot water, the pipes being arranged overhead. About five inches above these, on somewhat heavier pipes, will rest the roof. Mr. Ulrich's idea, whether original or not, is certainly a most excellent one, and will no doubt mark a new departure in the building of carnation houses. According to his plan the roof can be easily taken down, his idea being to obviate the necessity (and thereby save a deal of labor and expense) of removing and planting out his carnations in the open ground in the spring. By removing the roof his carnation plants receive the full benefit of the open air, without being touched or in the least disturbed. The benches within are arranged in a most ingenious way, but little space being wasted, and yet sufficient pathways are provided to reach any part of the greenhouse without the least inconvenience.

Mr. Ulrich intends to confine himself chiefly to roses and carnations; of the latter he grows many varieties, such as Lizzie McGowan, Silver Spray, Mrs. Fisher, Portia, W. W. Coles, Helen Keller, American Flag, Buttercup, Bouton d'Or, Daybreak, Adelaide Kresken, etc., being very successful with each of the enumerated varieties. His carnations look remarkably fine for this season of the year, some measuring from 2½ to 3 inches in diameter.

Among his roses there is one variety, of which Mr. Ulrich himself is as yet at a loss as to its proper name. It is a delicately tinted rose, very fragrant, beautifully shaped, a profuse and splendid

grower, its stem being as long and almost as thick as that of the American Beauty.

Another novelty that attracted my attention is Mr. Ulrich's dwarf calla lily. The height of this plant does not exceed 18 inches. It is grown in 5-inch pots, and averages four flowers to the plant. Mr. Ulrich has about 4,000 of these plants. X.

#### Trenton, N. J.

It is but seldom indeed that the writer of these lines is treated to surprises in the way of beholding an extensive greenhouse plant, without having had the slightest suspicion of its existence. Such a surprise, however, was in store for me here. I "discovered" twelve well built 20x80 houses and one 15x250, wherein roses, carnations, chrysanthemums, violets, palms and bedding stock of many kinds and varieties are being grown on an extensive scale. Mr. Jos. F. Ribsam, once connected with the old established concern of Ribsam & Sons, is the proprietor thereof. Mr. Ribsam's houses are built in the best and most approved way, being heated by hot water, and will well compare with any commercial plant of the size and kind in the country. Splendid light, wide benches, the best of ventilators and cemented floors.

A noteworthy arrangement is that of the benches, whereby bulbous stock can be forced conveniently under them, an economy in space not to be disregarded or overlooked. Mr. Ribsam is now forcing forty thousand bulbs, expecting to be well prepared to meet the demand for this class of stock. His house of freesias, of which there are about 5,000 in bloom, look fine and well grown, averaging about eight inches in height.

Beside the greenhouses, Mr. Ribsam has opened a fine store at 12 East State street, in the very heart of the city, equipping it with elaborate counters, show cases and a splendid ice box. Another innovation in this town, something never having been introduced here before, is Mr. Ribsam's palm wagon, drawn by a span of fine horses and built with a view of holding large decorative palms and plants. Mr. Ribsam intends giving a palm show in his store on the 18th, 19th and 20th of this month. X.

#### Baltimore.

Chrysanthemums are arriving in force; the first skirmish line was composed of Bergmanns at \$1.50 to \$2 per dozen, but Gloriosum and some other varieties are becoming equally plentiful. Weddings and fall openings are the chief causes of the improved demand for flowers that is becoming more apparent daily. The decorations at a banquet given to the lady visitors of the Builder's Association at the Rennert Hotel were very tasteful. Three tables were set lengthwise of the room and one across the top of the three. The right hand table of the three had a star shaped centerpiece, the center of which was loosely arranged La France and the rays Perle; one-third way between this and the ends were choice plants of Pandanus Veitchii about two feet high in gilt pot covers with Asparagus plumosus about the top of the cover and around the stem. Half way from this to the ends were narrow scroll shaped plateaus about three feet long and three or four inches wide, the center third of which was La France and the two ends Perles. Smilax pinned in a horseshoe shape about one foot long at each end completed this table, which was like the one on the left hand side of the room, ex-

cept that on it Brides were used instead of Perles. The middle table had a mound about two feet long in the center of Meteors and Brides; corresponding to the Pandanus on the side tables were two bowl shaped silver baskets, each containing a Cocos Weddeliana eighteen inches high surrounded by Adiantum cuneatum. Brides and Meteors were used, instead of La France and Perles, in the plateaus at either end. In the center of the head table was a circle of Adiantum cuneatum fully three feet across, the center of which was filled with long stem Bergmann chrysanthemums, arranged in the form of a Maltese cross, with select La France in the corners, this was near the side of the table adjoining the end of the middle table. The scroll shaped plateaus were four feet long, of solid La France placed half way to the ends of the table and connected with the centerpiece by smilax laid in graceful curves. At each plate was laid a long stemmed bud, two adjoining plates, Meteors, next two Brides, next La France, next Perles, and so all around. The candelabra had shades of a very pale brown, or "mode" color as the dry goods stores call it, and the whole effect was bright and attractive in a high degree. The decoration was furnished by Sam'l Feast & Sons.

Mr. Charles Hamilton is almost entirely recovered from his recent illness.

One of the prettiest benches of white chrysanthemums to be seen is at Willoughlen, Jno. Hogarth & Sons' place. MACK.

#### Worcester, Mass.

The florists' windows are resplendent with the gorgeous hues of the Queen of Autumn. Ivory and Marie Louise are the best whites coming in, Mrs. E. G. Hill and Vivian-Morel for pink, and Gold Lode and Yellow Queen the best yellows. Prices vary from 1.50 to 3 per dozen, and the store men report that the popularity of the 'mum, so far as is now ascertainable, has not decreased.

At this writing it appears to be almost certain that the exhibition is going to be a week too early to bring out the best blooms, but owing to the fact that the hall is let for every evening up to the middle of January a postponement is out of the question. That the interest in the chrysanthemum exhibition is on the decline the writer has always been unwilling to acknowledge, even to himself, but the fact cannot be longer ignored that if the lovers of the chrysanthemum don't look sharp and elect a committee of arrangements that possesses a few hustling propensities the chrysanthemum exhibition will be a thing of the past; at least under the auspices of the W. C. H. S. The writer is but one of many who have always maintained that in a city of a hundred thousand people, with judicious management and persistent advertising, an exhibition can be made that will draw the people and more than pay expenses; that it cannot be done by issuing a premium list and posting a few lithographs a few days before the show has been only too evident.

There has been a decided improvement in trade this last week, with prices fair and steady, and good flowers fairly plentiful. Roses have improved very much in quality, and sales have not yet deteriorated on account of the 'mums. Carnations have also improved greatly, and A1 Scotts, Daybreaks and McGowans are more plentiful. Very fine cosmos is being offered, and sells readily at 50 cents a dozen; though late this year, it is





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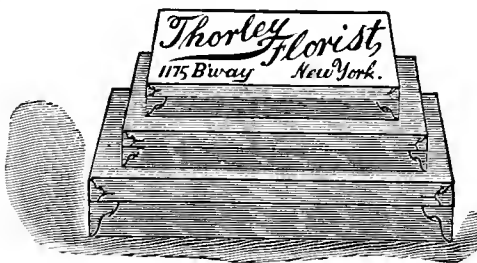
Lynn, Mass.

The Lynn Florists' Club has been or-  
ganized with a membership of about  
twenty-five. The officers are as follows:  
President, John W. Tapper; vice-president,  
Fred A. Smith; secretary, Jas. L. Miller;  
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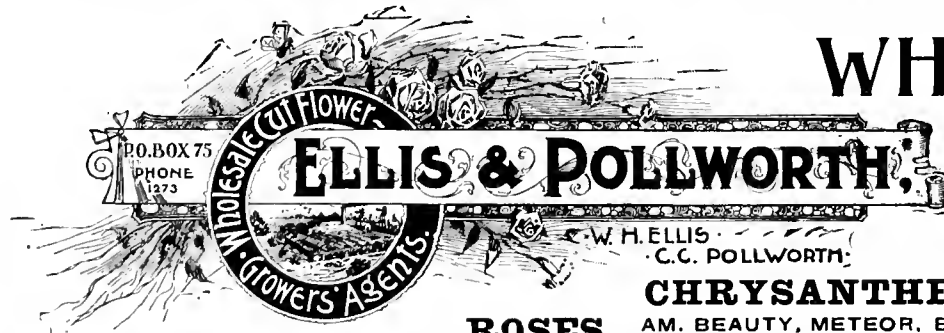
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" extra grades	8.00@ 30.00
Carnations, ordinary	50@ 1.00
" fancy	1.50@ 4.00
Valley	2.00@ 5.00
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Violets	.50@ 1.00
Adiantum	.75@ 1.00
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" second	2.00@ 3.00
Carnations	1.00@ 2.00
Valley	4.00
Chrysanthemums	15.00@ 20.00
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Roses, Beauties long	15.00@ 25.00
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" large teas	3.00@ 4.00
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Valley	5.00
Smilax	12.50
Chrysanthemums select, per doz. 100@ 5.00	
" southern grown	4.00
ST. LOUIS, Oct. 30.	
Roses, select stock	4.00@ 6.00
" ordinary	2.00
" Beauties long	12.00@ 18.00
" short	5.00@ 8.00
Carnations fancy	1.25@ 1.50
" ordinary	1.00
Valley	4.00
Violets single	1.00
" double	1.00
Smilax	10.00@ 15.00
Asparagus	50.00
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" home grown	10.00@ 25.00
Cosmos	.50
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Ferns, fancy	1.50
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BUFFALO, Oct. 20.	
Roses, Beauties	12.00@ 20.00
" Meteors	5.00@ 6.00
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" Cush. Perle	4.00@ 5.00
Chrysanthemums	5.00@ 15.00
Carnations, fancy	1.25@ 2.00
" common	1.00@ 1.50
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Valley	4.00
Violets	.75@ 1.25
Adiantum	1.00@ 1.25
Smilax	15.00@ 20.00
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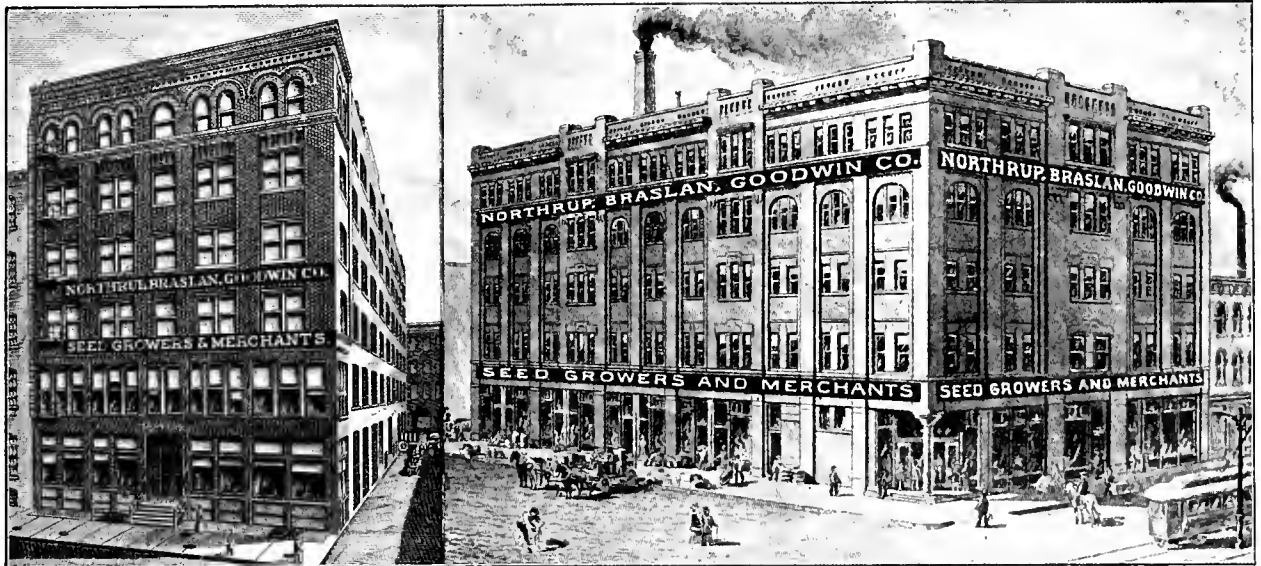
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Our extra fine new fringed.  
We have not named them  
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Our selection Rooted Cuttings, \$2.00 per 100.  
Good pot grown plants, \$4.00 per 100.  
Sets of 12, 25 or 40, all different, price on application.

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CHRYSANTHEMUMS, in bud, 5 or 6-inch pots @ \$2.00  
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Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 4 & 5-inch \$1.50, 20 for \$6; 6-inch for \$5. All good selected varieties.

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Dayton, O.

Dayton will hold the first chrysanthemum show in its history on November 12-15, under the auspices of the County Horticultural Society and the Women's Christian Association. It will be held in the Gymnasium Hall of the latter association, one of the most elegant and beautifully lighted halls in the state, and admirably adapted for a flower show. Matters are progressing very satisfactorily and with the liberal premiums offered, which have been generously provided by the business men of the city, there is not the slightest doubt of our having a first-class show, with large and strong competition for all the prizes offered. Some of our florists are not in sympathy with the movement, but as it is an acknowledged fact that a good show is an incentive to the florist's business, and that it cultivates a taste for flowers, we trust they will see their mistake and aid and encourage similar enterprises in the future. F. W. RITTER, JR.

London, Ont.

At the last moment it has been decided that London will have a chrysanthemum show November 13, 14 and 15, under the auspices of the United Charities Society. No premiums will be offered, the exhibitors sharing in the proceeds.

Last Saturday, the 28th, the first chrysanthemums in any quantity appeared in the florists' windows. These will be plentiful, but will yield very little profit to the growers if the same foolish rivalry is indulged in as with roses this fall. Carnations are scarce just now, but from the number of plants benched this year it is evident that later on London will have some to spare.

Gammage & Sons have a house of Me-teors in full crop, from which some fine flowers are being cut. Their Kaiserin, Testout and Beauties are also in the pink of condition.

A. G. Stephens is adding another house 18x50 for plants. W. GAMMAGE.

THIS is a bicycle age, and perhaps that is the reason why a premium list recently received at this office offered a special premium for best 12 cycleman plants.

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CHRYSANTHEMUM  
NUMBER  
WILL  
BE ISSUED  
NOV. 16.  
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ADVS. NOW.**

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Extra fine plants out of 3½-inch pots; eight to twelve leaves to the plant, \$1.50 per dozen; \$12.00 per hundred.

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50c. per 100 by mail; \$4.00 per 1000 by express. Cash with the order, please.

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¾ Engle's select strain, ¼ Roemer's best. Plants are fine, \$4.00 per 1000, cash.

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Strong, 3-inch.....per 100, \$4.00

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made from it is cleaner, cheaper and better than from any other source.

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THE JENNINGS STRAIN OF FINEST  
AMERICAN CROWN PANSIES.

Small plants by mail 60c per 100; express \$5 per 1000. Seed of above strain \$1.00 per pkt. of 2500 seeds. Cash with order. E. B. JENNINGS, Pansy Grower, Lock Box 254, Southport, Conn.

# Grand Chrysanthemum and Flower Show

Under the Management of the New York Florists' Club, and in combination  
with the Stock and Farm Show of the Live Stock  
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**E. LEQUERE**, double salmon. Bruant.  
**LA FAVORITE**, double pure white.  
**MME. C DABOUCHE**, double flesh pink.  
**MRS. J M GAAR**, single snow white; best white bedder.  
**MADONNA**, single flesh pink, Mirande type.  
**W. S. GUNN**, single scarlet pink, Mirande type.  
**MRS. E G. HILL**, single salmon pink.  
**REV. HARRIS**, single scarlet.  
**AUORE BOREALE**, single scarlet, large flower.

**WE WILL SHIP YOU 1000 GERANIUM CUTTINGS**, well-rooted, in 30 varieties containing all of the above sorts, for \$15.00. All Geranium Cuttings are terminal shoots, and we pay particular attention to sending out clean, vigorous stock.

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5-inch pots.....\$1.00 each  
6-inch pots.....2.00 each  
7-inch pots.....3.00 each

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CASH WITH ORDER. La Fayette, Ind.  
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**10,000 STRONG AND HEALTHY  
SMILAX PLANTS,**

out of 2½-inch pots. Cheap. Address  
FRED. SCHNEIDER, 751 Crawford St., Cleveland, O.

### THE WHITE CANNA CAN NOW BE SEEN

In its full glory, notwithstanding the severe drought, at our Mr. Wintzer's farm at West Grove, Pa. Also the **NEW PURE ROSE, PURE PINK, PURE YELLOW**, and other remarkable Cannas that will be offered by us for the first time this season. The **White Myrosma** also in full bloom now. The **New Golden Cosmos**, The **Crimson Spiraea**, The **BLUE SPIRÆAS**, **Tecoma Smithii**, **Solanum Rantonnetti**, and other Novelties in Plants.

Headquarters also for The **Strawberry Raspberry**, The **Raspberry Blackberry**, The **Mayberry**, **Stanley Raspberry**.

**ROSES.** **Crimson Rambler**, \$6.00 to \$15.00 per 100. **Magna Charta**, 2 to 3 feet, \$6.00 per 100. **Tennessee Belle**, 4 to 5 feet, \$6.00 per 100. **Baltimore Belle**, 4 to 5 feet, \$7.00 per 100. **Meteor**, 1 to 2 feet, \$6.00 per 100. **CAROLINE TESTOUT**, finest plants in the country, \$10.00 per 100. Not less than 100 at these prices.

**Black Callas**, \$5.00 and \$8.00. **Spotted Callas**, \$3.00 and \$5.00. **Purple Callas**, \$3.00 per 100. **Little Cams**, \$5.00 per 100.

Send for Catalogue of Novelties in Plants. Jardinieres and Flower Pots for the trade.

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### EARLIEST LARGE FLOWERING CHRYSANTHEMUMS

MARQUIS DE MONTMORT,

Much in the way of Viviani-Morel. Ready to cut  
Sept. 29th, 1895. Stock plants 50 cts. each;  
\$5.00 per dozen.

MERRY MONARCH,

Earliest large white, cut on October 9th. Best  
early white to date. Price, 50 cts. each;  
\$5.00 per dozen.

NEMESIS, MISS M. M. JOHNSON, J. H. TROY, PARKER, Jr., 50 cents each; \$5.00 per dozen.  
MARION HENDERSON, MAJOR BONNAFFON, MADAME F. BERGMANN, YELLOW QUEEN,  
and all the staple varieties, 25 cents each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

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**LORD PENZANCE'S** New Hybrid Sweetbrier.  
Old Garden Roses, etc.

**SPIRÆA "ANTHONY WATERER,"** flowers rich crimson.

A large collection of rare Hothouse and Greenhouse  
Plants, carefully grown, at low rates; Orchids, etc.

**PELAGONIUMS.** All the European Novelties.

**RARE AND BEAUTIFUL EVERGREENS.**

**ORNAMENTAL TREES, SHRUBS, &c.**

**PÆONIES.**—A large collection of the finest in cultivation. Hardy Perennials, Phloxes, Japanese Iris, Roses, Clematis, etc. New and Standard Fruits, etc.

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150,000 of all the leading varieties.

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## News Notes.

CANTON, Mo.—A "chrysanthemum and baby show" will be held here early in November.

LAWRENCE, KANS.—The Kansas State Hort. Society will meet in this city December 10 to 12.

PAWTUCKET, R. I.—Richard Harrison has opened a fine flower store at Trinity Square in this city.

ALBANY, N. Y.—The building in which the store of florist H. G. Eyres was located was burned October 24.

GLENWOOD SPRINGS, COLO.—Mrs. Isabel Hayes has purchased Geo. Oldham's greenhouse and will continue the business.

SARATOGA, N. Y.—The residence and greenhouses of Thomas O'Connell were almost totally destroyed by fire October 22.

NORWICH, CONN.—F. L. Olmstead & Son, Pittsfield, Mass., have secured two large greenhouses in Norwich, where they will grow carnations and violets.

WESTFIELD, MASS.—The small greenhouse recently erected by C. H. Jacobs on Smith avenue was burned with its contents on the morning of October 18.

MILWAUKEE, WIS.—Erick Haasch's greenhouse, barn and dwelling at Concordia avenue and 25th street were destroyed by fire October 28. Loss covered by insurance.

SYRACUSE, N. Y.—Mary E. Daniels has made an assignment for the benefit of her creditors to Frank J. Farrington, Jr. The assets are reported to be considerably in excess of the liabilities.

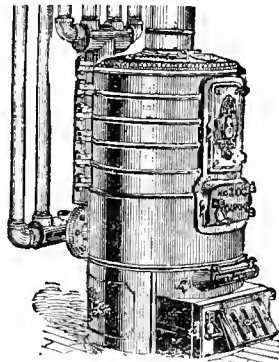
MONTPELIER, VT.—W. L. Draper, the proprietor of the Montpelier Greenhouses, is dangerously ill, the result of drinking milk from a cow which was found to be in the advanced stage of tuberculosis.

HARTFORD, CONN.—Geo. W. Atwood died on October 23, after a protracted illness, aged 54 years. He was a member of the Society of American Florists for many years and has been president of the Connecticut Horticultural Society.

VICKSBURG, MISS.—At the recent waterways convention held here the "Vicksburg National Military Park Association" was organized, with the object of fostering the foundation of a national military park here similar to those at Gettysburg and Chickamauga.

NEWPORT, R. I.—On the evening of October 20 the body of Ludlow Mahan, gardener on the estate of Seth Low and president of the Newport Horticultural Society, was found in the water at the foot of one of the wharves. The supposition is that the deceased was leaning over the rail and lost his balance and fell headlong a distance of about ten feet, striking his temple on an iron bar.

KALAMAZOO, MICH.—G. Van Bochove & Bro. have just completed their fine floral store and show house for the convenience of their retail trade. The same will be opened to the public with a chrysanthemum and cut flower show November 5, 6, and 7. This firm's glass is devoted exclusively to the growing of cut flowers, principally roses, carnations, chrysanthemums, violets, bulb stuff, etc. They report wholesale trade very good, far ahead of last season at this time.



"Gurney" Hot Water Heater. Series 300.

## Gurney Hot Water Heaters AND Steam Boilers.

UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

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**CYCAS LEAVES**  
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DUST.**

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Extra fine, per 100 lbs. \$5.  
Sample FREE.

Vaughan's Seed Store, Box 688, Chicago.

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Send for Catalogue.

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Manufacturers of

## TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

BRILLIANT GREEN AND BRONZE

## GALAX LEAVES.

The GREEN Leaves are in PRIME condition and, if the heavy frosts continue, the BRONZE Leaves will be here by Nov. 15th—possibly a few days sooner. I am booking orders now and having every facility. Will ship as soon as they are strictly first-class.

Wholesale Florists generally, or write for free sample and price to

CHAS. H. RICKSECKER,  
LINVILLE, Mitchell Co., N. C.

## DEATH TO INSECTS

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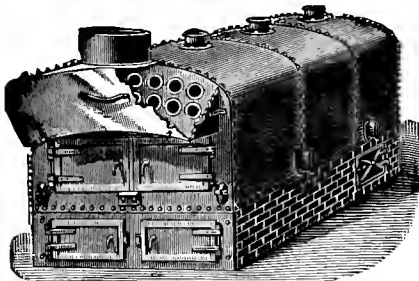
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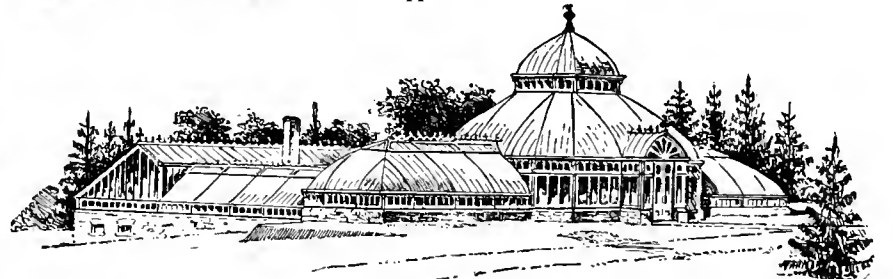
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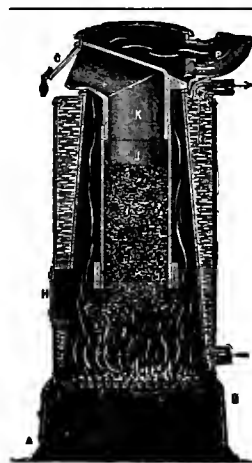
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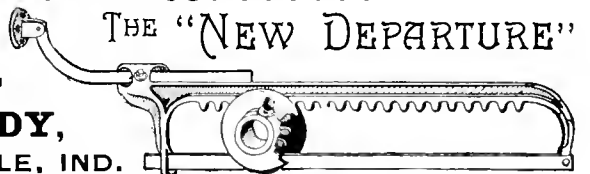
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**New Directory.**

A corrected edition of our Trade Directory and Reference Book will be issued Jan. 1, next,  
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P. O. Drawer 164. . . . . CHICAGO.

## News Notes.

READING, PA.—Robert W. McLenegan has started in business at Fifth and Marion streets with two greenhouses.

MARTINSVILLE, IND.—H. R. Winn now has his greenhouses complete, containing 2,000 feet of glass. He will double the capacity next year.

RENSELAER, IND.—A. W. Cleveland has erected one new house 16x50. This is Mr. Cleveland's second year in the business. He had one house up last winter.

LAFAYETTE, IND.—F. Dorner & Son have just completed a new brick smoke-stack and a shed with cellar 16x60 to be used for storage purposes. They have also erected one carnation house 22x125, short span to the south, steam heat.

BRISTOL, TENN.—The Bristol Floral Society has been organized with officers as follows: Dr. J. M. King, president; Will Richardson, vice-president; Henry P. Taylor, treasurer; and Miss Mary Lee Winston, secretary. The society will give a floral exhibition November 6 and 7.

MOUNT KISCO, N. Y.—The Bedford Floral Club will hold a chrysanthemum show in the Opera House November 12 to 15. Liberal prizes are offered for amateur growers, and florists will be given every facility for exhibiting. Further information may be had on application to James Wood, president.

BUTTE, MONT.—A chrysanthemum show will be held here November 14 16, in the Auditorium, under the management of Mrs. D. J. Knox. The premiums offered are very liberal and include a cup valued at \$100, which is offered for "best 25 blooms, 25 varieties." A vase valued at \$50 is offered for "best seedling not exhibited prior to 1895, not less than 3 blooms."

JAMESTOWN, N. Y.—A. L. Thrall has just completed a new carnation house 60x75 with 4 foot slope to the south, on the plan adopted by Mr. Swayne of Kennett Square, Pa., and illustrated in the FLORIST. The house is glazed with 16x24 glass, placed the 16-inch way, and heated by hot water from a 15-horse power boiler, using 1½-inch flows overhead and 1¼ inch return coils under each bed. All the beds are raised. Mr. Thrall believes this style of house to be the best for carnations.

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# NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

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## Announcement to Florists.

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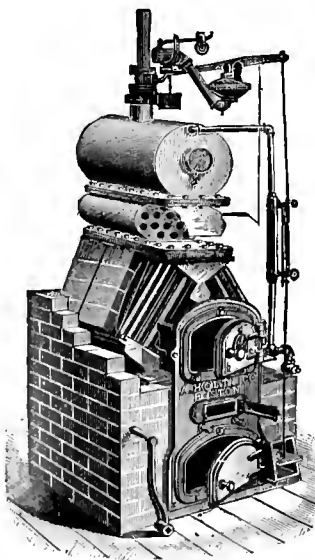
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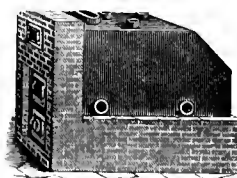
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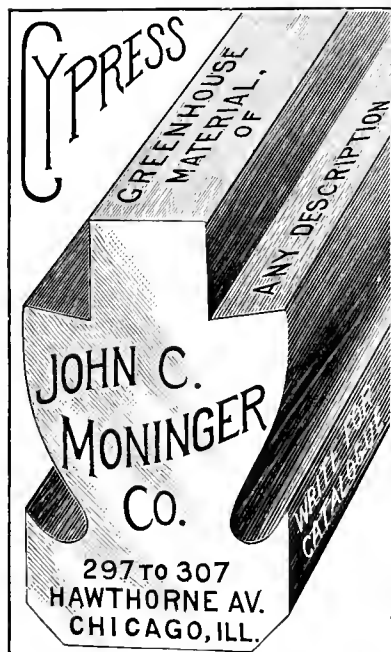
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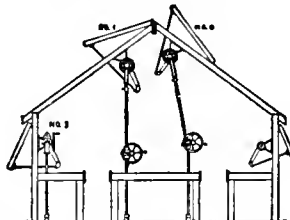
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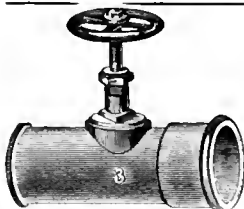
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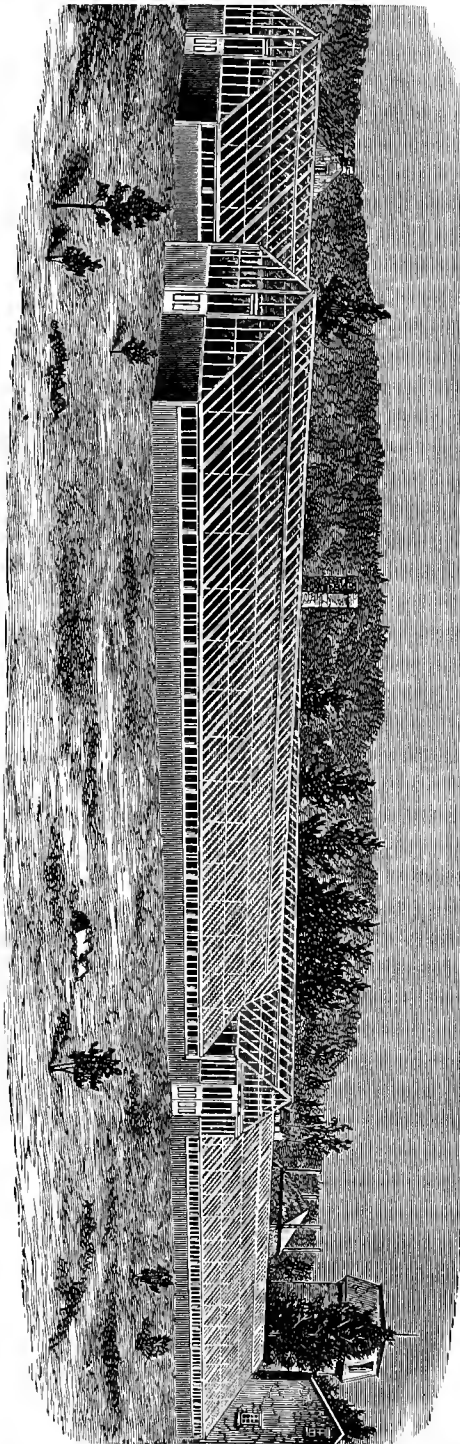
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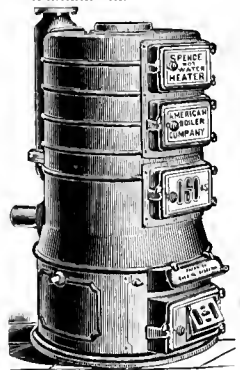
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touch Unknown Seas."

Vol. XI

CHICAGO AND NEW YORK, NOVEMBER 9, 1895.

No. 388

## THE AMERICAN FLORIST

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PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

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P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

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### SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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MEXICO, Mo.—C. C. Wonneman has purchased Jas. Gelven's greenhouse property and will continue the business. The plant consists of two houses with walls of pressed brick and oak finishing, connecting with an office and store with hardwood finish. The heating is by steam. The place is only two block from the court house.



## THE EXHIBITIONS.

Chicago.

The show at Battery D opened November 5, with very good prospects of a successful week. The weather was bright and spring like, something unusual when compared with previous years, and the temperature was ideal for moving plants. But on Wednesday and Thursday the weather was exceedingly unpleasant, a cold rain falling steadily all day and night. The hall presented a most attractive picture on first entering, the arrangements being wisely varied from previous years. The wall and ceiling decorations were all of greens and wreathing, the bronze oak leaves and Florida moss of last year being absent. The orchestra was stationed in the gallery, leaving the stage for cut blooms, and this bank of color at the far end of the hall, blazing under the electric lights, was one of the most effective features of the hall.

It would seem that the plant display was rather less than in former years. This seems a marked tendency in our exhibitions now, and one to be deprecated, since they add so much to the furnishing of the hall. But some of the plants shown were incomparably superior to any exhibited here during the past four years, and this may be said especially of the bushes, which were in several instances of unusual beauty.

### CHRYSANTHEMUM PLANTS.

In plant classes J. C. Vaughan was miles ahead of every one else, as may be seen by the list of awards. He received first prize in 14 plant classes, namely, for specimen plants white, pink, yellow, and any other color; for 5 specimens, 5 varieties, in 10 inch pots; for 10 specimens, not over 8-inch pots; for 15 plants, not over 7-inch pots; for 25 plants, not over 5-inch pots, bush form; for 40 plants, single stem; for 20 plants, single stem; for specimen standards, white, pink and yellow, and for most interesting grafted plant. The standards were very good, being better developed than they usually are, in spite of the late season, but without doubt the most beautiful and interesting chrysanthemum plants in the entire show were the four specimens grown to bush form shown by Mr.

Vaughan. The varieties were Constellation, Mrs. A. H. Fewkes, The Bard, and Mrs. Governor Fifer. The plants were perfectly flowered right down to the pot, admirable in shape, and without the painful evidences of over-staking so often seen. The Bard seemed the favorite red for this style, apparently supplanting the familiar Cullingfordii, and Constellation appeared a particularly happy choice in pink. The 25 bush plants in 5 inch pots attracted a good deal of professional interest; they were particularly salable plants of a type we need in this market. The single stem plants, while excellent, did not seem quite as even as some shown last year. Philadelphia showed up well among them; so did Inter Ocean, Niveus, Marie Louise, H. L. Sunderbruch and Major Bonnaffon.

Second premiums for five specimen plants, ten specimen plants and white standard went to Martin A. Ryerson (amateur); second for forty plants, single stem, to Oswald Uhlig, gardener W. H. Rand, and second for twenty single stem plants to R. Hoffman.

### MISCELLANEOUS PLANTS.

The other awards of the first day were in miscellaneous plants and cut chrysanthemums. In the plant classes too much can not be said for the magnificent display made by Mr. E. G. Uihlein, who received first prize for collection of cypripediums; for collection of orchids other than cypripediums; for collection of dracaenas, and second for ten foliage plants. In addition to this he made an exhibit of nepenthes such as had never before appeared here. The pitcher plants were displayed on the branches of a small tree; they were very tastefully arranged and presented an appearance which could not be duplicated by any other collection in the city. Mr. Uihlein's orchids were very attractively grouped; the general collection showed fine plants of Cattleya labiata, Laelia præstans, Saccolabium Blumei, Sophronitis grandiflora, Oncidium varicosum, O. ornithorhynchum, etc. The cypripediums, charmingly grouped about a central plant of Adiantum trapeziforme, included a particularly good C. Parishii, several forms of insigne, etc. His dracaena group showed exceptionally fine culture, and much praise must be bestowed on his group of anthuriums, which included some singular forms rarely seen. Mr. Uihlein has given special attention to these interesting aroids, as may be seen by his specimens of Miquelium, pentaphyllum, etc.

The collection of ten geraniums, for which E. G. Hill & Co., Richmond, Ind., received first, was excellent, and the same may be said of the ten coleus exhibited by J. Algots, gardener to Geo. M. Pullman. This latter exhibitor made a magnificent display, receiving first for ten foliage

plants in six varieties, ten ferns, six palms; second for decorative plant other than palm and a special prize for artistic arrangement of decorative plants. He also received special mention for a stag's horn fern, which the judges considered almost impossible of duplication. Mr. Algots' plants were beautifully arranged, and the presence of several unusually handsome palms gave a stateliness to the group that was greatly admired. His ferns included, among others, very well-grown specimens of *Nephrolepis subfuscens* and *N. davallodes furcans*.

The Anthony Greenhouses received first for specimen palm and for pair of palms, third for decorative plants arranged for effect, and second for pair of decorative plants. J. C. Ure, Argyle Park, received special for largest group of decorative plants arranged for effect; second for ten ferns. M. A. Ryerson received first prize for specimen araucaria, it being an unusually handsome plant, short jointed, with very fully feathered tiers; second for collection of dracaenas. In the class calling for pair of decorative plants other than araucarias, and for one decorative plant J. C. Vaughan was first, and the same exhibitor received third, the only prize awarded for ten flowering plants.

#### THE CUT FLOWERS.

Naturally the cut blooms were a center of attraction, and there is no doubt they excelled anything ever before shown here. In size, finish and color they were superior to former years, and the large vases containing forty blooms of one kind, standing on the main floor, were a noteworthy sight. There were a good many changes from favored varieties of former years.

In the vases of forty blooms, one color, Stollery Bros., Argyle Park, Ill., were first with Mayflower. These blooms were positively superb. It was interesting to note that *The Queen*, the prize-winning white of former years, was third in this class, and Mrs. H. Robinson and Wanamaker, both good, were distinctly distanced by the winning sort. Stollery Bros. also received first for twelve varieties, one bloom each; for six blooms, yellow; for six blooms, pink; six blooms, red; second for six blooms, white. Among the flowers shown by this firm the six blooms red, Mrs. A. J. Drexel, were beyond all praise, and the same may be said of their pink, *Vivian-Morel*.

For vase of 40 blooms, yellow, Poehlmann Bros., of Morton Grove, were first with *Yellow Queen*, also first for 6 yellow.

For 40 blooms, pink, E. G. Hill & Co. were first with Mrs. Perrin. This variety was, we believe first shown last year, but we heard little of it. This year it would seem to have arrived, for every one who saw it was loud in praise of the color, a wonderfully clear, bright pink, quite free from magenta. The flower is incurving, but loosely built, the stem and foliage fine, and we expect it will be very prominent all her season. Hill & Co. also received second premiums for vase of 40 yellow; for 3 blooms, pink; for 3 blooms, red; for 3 blooms, bronze, and 3 blooms any other color; third for 40 blooms, white; 40 blooms, any other color; 6 vases, 12 flowers in a vase; collection of named varieties.

For 40 blooms, any other color, H. W. Buckbee, Rockford, Ill., was first with Chas. Davis, which appeared in a number of exhibits this year; the same exhibitor was first for 6 blooms, white; for 3 blooms, yellow; for 3 blooms, pink, and 3 blooms, any other color; second for 40 blooms, white; for 12 varieties, one bloom each; for 6 blooms, bronze; third for 40 blooms, yellow (H. L. Sun-

derbruch); for 12 varieties, 3 blooms of each; for 6 varieties, 3 of each.

Nathan Smith & Son, Adrian, Mich., made a very large display. They received first prize for 20 varieties, one bloom of each, the display being remarkable for its excellence; first for 6 blooms, bronze; for 12 vases, 12 varieties, 3 blooms in a vase; for 3 blooms, red; for 3 blooms, bronze; second for 6 vases, 12 flowers in a vase; for 6 blooms, red; for 6 vases, 3 blooms in a vase; for collection of not less than 40 varieties; for 3 blooms, yellow.

For 6 vases, 12 flowers in a vase, W. N. Rudd was first, also for 6 vases, 3 blooms in a vase; for vase of 3 blooms, white; second for 6 blooms any other color, and for 12 vases, 3 in a vase.

J. C. Vaughan was first for vase of 6 blooms, any other color; for collection of named varieties; second for vase of 40 blooms, any other color; for 20 varieties, one bloom of each; for vase of 6 blooms, pink; for vase of 3 blooms, white.

Theo. Bock, Hamilton, O., received third in the closely contested class for 40 blooms, pink.

The judging of these cut flower exhibits was an extremely difficult matter, the flowers being of such uniformly high quality. Among the pinks *Vivian-Morel* is still seen holding the same high place as of former years, Stollery Bros.' blooms of this variety being of great beauty. *Iora* was noted in fine form; so too was *Inter Ocean*, but the color of all these looked bleached or livid when compared with Mrs. Perrin. Mrs. M. R. Parker, Jr., did not appear in the procession. Helen Bloodgood was fine, but did not receive the admiration given looser flowers. In red, while *The Bard* led among plants, Mrs. A. J. Drexel was the only cut flower. Geo. W. Childs was quite in the shade. In the whites *Mayflower* was so far ahead that nothing else was in sight; yet Mrs. H. Robinson was greatly admired. *The Queen*, the white before which the public fell down and worshipped last year and a year before, has now been forced to abdicate. Our old friend *Ivory* was extra good from W. N. Rudd. In yellows, although *Yellow Queen* took first honors among the large vases, there were others that received much praise. Major Bonaffon in some of the collections was of high quality; Mrs. Chas. Lanier was fine, and there were good *Sunderbruchs*. But where was Mrs. Craigie Lippincott, and why did Philadelphia, the crowning glory of last year, appear only in homeopathic doses? Georgienne Bramhall made a favorable impression, so did Marion Henderson. Charles Davis appeared with great frequency among classes calling for "any other color," and its tawny beauty made a great impression. There was quite a dearth of the old time dead leaf bronzes.

A very timely exhibit, evidently appreciated by the public, was a group of pompons, 12 vases, sent by Peter Henderson & Co., New York. It included such sorts as *Model of Perfection*, *Precocite*, *Canary Bird*, *White Bedder*, etc., but we missed our old friend Bob, that velvety little crimson button that makes one of the prettiest of pot plants. We are so apt to lose sight of the modest little *Chusan* daisies in the rush for size and novelty, and the fact that nearly every woman who caught sight of the pompons first exclaimed "Oh, what cute little flowers!" and then asked if they couldn't be grown out of doors, shows that interest could be cultivated in this class. Messrs. Henderson also displayed a vase of Marion Henderson, a rich golden yellow similar in general style and shape to *Vivian-Morel*; this was greatly admired.

#### DISPLAY EXHIBITS.

As in former years, the beauty of the hall was much increased by exhibits not for competition. At one side C. A. Samuelson had a large semi-circular table draped in pale green, on which were shown vases and fancy baskets filled with seasonable flowers. There were tall vases of *chrysanthemums*, *cornucopias* of violets and pansies, and specimen glasses of roses and carnations. Mrs. Pierpont Morgan and Belle Siebrecht were generously shown and much admired, and there was some very good *mignorette*.

Just across the hall from Mr. Samuelson's display was a non-competitive exhibit from O. J. Friedman, which proved very taking. It consisted of a semi-circular bank of flowers and plants, forming a background for three large *cornucopias*, the central one filled with fruit, and those at the ends with flowers. The colors were arranged in most harmonious contrast and the exhibit proved a very striking one.

The Anthony Greenhouse Co. made a display of plants and flowers, including some charmingly arranged fern dishes, and also showed a bank of palms relieved by *Beauty* roses and *chrysanthemums*, which made an agreeable relief at one end of the stage. Directly in front of the stage was a large arrangement by Mr. Grove P. Rawson which received a great deal of attention from the visitors. It consisted of a large picture, the frame being of ivy leaves, the background of moss. On it was a vase in bas-relief composed of yellow *chrysanthemums*; in the vase was a bunch of yellow and crimson *chrysanthemums*, naturally arranged. The picture was displayed on an easel, while on either side was a pedestal bearing a vase, in which was a bunch of *chrysanthemums*, *Japanese* on one side, *Chinese* on the other, the name of the section being painted on a ribbon sash at the base of the vase. The contrast of the types proved a very interesting feature to the public.

#### ROSES.

The rose displays of the second day were large and varied, calling out some extra good flowers. Belle Siebrecht and Mrs. Pierpont Morgan were the great attraction, and were shown in fine form by several different growers. Individually all the rose exhibits were good, only some were better than others; they would compare very favorably with anything seen in former years.

For vase of 25 *American Beauties* Poehlmann Bros., Morton Grove, received first; they also received first for 40 *Brides*; for 40 *Bridesmaids*; for 40 *La France*; for 40 *Perle des Jardins*, and for 40 of any other variety.

Henry Weber & Sons, Oakland, Md., received first for 40 and for vase of 12 *Kaiserin Augusta Victoria*, magnificent blooms; first for 40 and for 12 *Papa Gontiers*. Their exhibit speaks well for Maryland soil and growers; the *Kaiserin* were worthy of especial praise.

Reinberg Bros. were first for Mme. Caroline Testout in two classes, vase of 40 and vase of 12; first for 40 *Meteors*; for 25 and 12 *Belle Siebrecht*; for 6 *American Beauties* and for 12 *La France*; second for 25 *American Beauties*; for 40 and for 12 *Kaiserin Augusta Victoria*; for 40 *Brides*; for 12, any other variety.

Mrs. Pierpont Morgan was exhibited by E. G. Hill & Co., who received first for 25 blooms, and by Stollery Bros., who received first for 12 blooms. W. A. Kennedy, Lake Forest, received first for 12 *Brides*; for 12 *Meteors*; for 12 *Perle*



VIEW OF THE STAGE AT THE CHICAGO SHOW.

des Jardins, and for 12 of any other varieties; second for 12 Belle Siebrecht.

W. J. & M. S. Vesey, Ft. Wayne, Ind., received second for 40 Bridesmaids; for 12 Brides and for 12 Bridesmaids. W. N. Rudd was first for 12 Bridesmaids, and second for 25 Belle Siebrecht; for 40 and for 12 Meteors. Charles Schweigert, Niles Center, was second for 40 Perle des Jardins. Hopp & Lemke, Grand Rapids, Mich., were second for 12 Mme. C. Testout. J. C. Vaughan was second for 12 Perle des Jardins.

In addition to the high quality of all the rose exhibits, the closeness of the competition was a notable feature, and also the extent and variety of the display. There were more exhibitors than usual, and from different sections, this making the competition very close.

#### CARNATIONS.

The carnation competition occurred on the third day, and a good display was made. Poehlmann Bros., Morton Grove, received first for 50 blooms Lizzie McGowan. August Jurgens was first for 50 blooms, Portia; for 50 blooms striped, other than Helen Keller; for 12 blooms each of Portia, Garfield, Scott and any other striped variety; second for 12 Albertini. John C. Ure, Argyle Park, was first for 50 blooms Garfield, for 50 blooms Tidal Wave, for 50 blooms Scott, for 50 blooms Daybreak, 50 blooms Albertini, and 50 blooms Helen Keller; for 25 blooms white, introduction of 1895, for 25 blooms pink, same class; for 12 blooms, Daybreak; second for 12 blooms red, this year's introduction, for 50 blooms McGowan and 12 Garfield. Reinberg Bros. were second for 50 blooms Portia, 50 blooms Scott, 50 blooms any other pink, 12 blooms Uncle John. W. N. Rudd was first for 50 blooms any other pink, for 12 blooms Uncle John, for 12 blooms any other white, 12 blooms any other red, 12 blooms any yellow, 12 blooms each of white, pink, red and any other color, introduction of 1895; second for 12 blooms Daybreak. E. G. Hill & Co. were awarded first for 50 blooms,

any other red, and 12 blooms any other pink. W. J. & M. S. Vesey, Fort Wayne, Ind., received first for 12 blooms Albertini, and second for 50 blooms Daybreak, 50 blooms Albertini, 12 blooms any other white, 12 blooms Scott, 12 blooms Albertini, and 12 blooms any other pink.

In violet classes Poehlmann Bros. received first for 100 double flowers, and first for 100 single; Jacob Meyer received second for double and John C. Ure second for single violets.

#### MANTEL DECORATIONS.

Only two entries were made in this class; one by Joseph Curran, receiving second prize, and one by W. J. Smyth, receiving third. The first prize was not awarded.

#### San Francisco.

The twelfth semi-annual flower show of the California State Floral Society took place on October 25 to 27. A new feature was introduced this year in making the show non-competitive. This feature caused some dissatisfaction among the large growers, who wanted prizes given. The result was that the usual fine displays of Sievers and several others were missed.

Domoto Bros., the Japanese growers of Oakland, made the largest and best display at the show. They did not show any pot plants, nothing but cut blooms. The great attraction of their exhibit was their new seedling Mrs. J. Senlberger, which is destined to be a formidable rival of The Queen. It is an immense pure white of the Mrs. Alphens Hardy type, incurved and of great substance. It will undoubtedly be heard of largely next season in the east. They also showed Mrs. Marguerite Carbone, a pure white ball of the type of Mrs. Robt. Craig, but more graceful.

Mr. J. A. Carbone of Berkeley made an exhibit which though not large was excellent. His blooms of Philadelphia were undoubtedly the finest blooms at the show. He also showed some fine Queens, Eugene Dailedonze and Major Bonaffon.

His new seedling Governor Budd was greatly admired. It is a light lemon color and of fine size and form. His roses were also very good. He showed some good Belle Siebrecht and Mrs. Morgan.

The Sunset Seed and Plant Co. made a large exhibit of palms, ferns, conifers and chrysanthemums, both pots and cut blooms. Some fine Mrs. Adams, Viviani-Morel and Golden Gate were observed. They also made a large show of carnations, and showed a new forage plant.

Mr. G. B. Jones of Sutter street showed an immense vase of chrysanthemum Mermaid which was greatly admired.

F. Ludemann of the Pacific Nursery showed fifty different varieties of azaleas, which is one of his specialties.

Coop & Seelig, the California violet specialists of Ocean View made the largest display of California violets at the show. Every lady visitor was presented with a bunch by the senior member of the firm, Mr. Chas. Coop. They also made a good exhibit of potted violets. Grallert & Co. of Colma made their usual attractive show of carnations, coreopsis, gaillardias and ferns.

Mr. F. S. Miller of the Hayes Valley Nursery made a fine show of palms, decorative plants and begonias. Golden Gate Park had a very excellent display of cut 'mums, roses and violets, also sweet peas. Their cypripediums were very fine, also their palms, especially the Cocos Weddeliana, which were extra good.

The Japanese Nursery Co. had a very creditable show of cut blooms and Japanese palms. Mr. Chas. Abram also had some well grown palms and decorative plants. Mr. E. Gill of Oakland had the finest display of roses at the show, having nearly 100 varieties, prominent among them being their two seedlings Mrs. Cleveland and Sarah Isabella Gill.

Mrs. Stevenson, the London florist, had some California violets well grown. An object of great interest was the new violet "Golden Gate," resembling the California with the exception of color,

which is much darker, and altogether a very pleasing variety. John Sievers staged a vase of chrysanthemums which were excellent, the novelty among them being their new seedling Ruth Ellis, a very late white comparing favorably with Philadelphia, and in the opinion of Mr. Kruger the originator, an improvement over all late whites. E. G. Hill & Co. have it growing and it will undoubtedly be seen in the east this season.

The hall, which was in the Palace Hotel, was very prettily decorated and each evening the place was crowded. A fine program was rendered each evening. The show was a financial success greatly helping the society which has been striving hard to get out of debt. METEOR.

#### Boston.

The chrysanthemum show of the Massachusetts Horticultural Society opened promptly at noon on Tuesday, November 5, most auspiciously as to weather and attendance, and undoubtedly the best show of its kind the society has ever presented to the public.

The upper hall was, as on former occasions, devoted exclusively to the plant exhibits. In this department there were three prominent features, the groups of twelve specimen plants, the groups of chrysanthemums and foliage plants for effect and the plants grown to single stem and flower. On twelve specimen plants the question of superiority lay between the two rivals of former shows, T. D. Hatfield representing Walter Hunnewell and Wm. J. Martin representing N. T. Kidder. Mr. Martin came out on top but it was by a hard struggle it had been won, for Hatfield's plant were grand, every one of them. Mr. Martin's best specimen was a plant of the beautiful pink Iora that for good points has never probably had an equal in this country. The balance of the group consisted of Clinton Chalfant, Louis Boehler, Jos. H. White, Ivory, W. H. Lincoln, J. Shrimpton, Vernal Fall, Portia, H. L. Sunderbruch, Superbaflorum and Golden Hair. Mr. Hatfield's group was Octavia Mirabeau, Ivory, Columbine, Primula, Louis Boehler, Theo., Clinton Chalfant, Geo. W. Childs, Portia, W. H. Lincoln, Jos. H. White and Louis Menand. None of the smaller groups contained plants that equalled these above enumerated, although a specimen of Georgienne Bramhall in Mrs. B. P. Cheeney's set of six Japanese came very near it.

The prizes for groups of chrysanthemums arranged for effect with foliage plants and covering one hundred and fifty square feet brought out seven competitors, and the capacity of the hall was taxed to accommodate them all. The task of choosing between them was no easy one for the committee and the result of the judging met with more adverse criticism from the exhibitors than is often heard here. The intent of the schedule in this class was variously interpreted. The more pleasing effect was obtained in those groups where mixtures of too many colors and over crowding were avoided.

The plants in 6-inch pots grown to single stem and bloom were wonderfully well done and all kept well within the limit of three feet in height. Dr. C. G. Weld, E. S. Converse, H. F. Eldredge, Donald McRae and others competed in these classes but the varieties shown were the same as shown in the cut flower classes in the lower hall and an enumeration of them here is superfluous. A large group of fine Adiantum Farleyense from Mrs. B. P. Cheeney and some grand

plants of Erica hyemalis from Dr. Weld filled one corner of the hall, and the stage was effectively banked with neat little market size chrysanthemums from W. H. Elliott and draped with the indispensable Asparagus plumosus nanus.

Entering the lower hall, where the cut blooms were staged the visitor met a surprise in the form of a semi-circle of six enormous vases filled with immense long stemmed blooms rising to a height of eight feet each. These were from Jas. Brydon, J. W. Howard, Mrs. B. P. Cheeney, J. H. White and James Comley, two vases being filled by Mr. Brydon. One of the latter was composed of The Queen, the others of assorted varieties. Another sensation was caused by the exhibit of nine vases of ten blooms each from the Waban Conservatories. The varieties shown were Sunderbruch, Niveus, Inter Ocean, R. McInnes, Philadelphia, Viviani-Morel, Mrs. Jerome Jones, Ed. Molyneux and Golden Wedding. Words fail to do justice to these grand flowers which were pronounced by all who saw them the finest ever seen in America.

The competition for the Bradley prizes for twenty-five blooms of twenty-five distinct varieties was keen and brought out a splendid array of specimen flowers, the most noticeable feature being the great depth of the blooms and the uniformity of size. Especially fine in Jas. Brydon's set were Mayflower, Golden Wedding, Eugene Dailedouze, Mrs. Potter Palmer and Mutual Friend. Mrs. Cheeney's best were Pres. Smith, Mrs. Geo. West, Major Bonnaffon and Georgienne Bramhall. Walter Hunnewell's best were C. H. Curtis, Mrs. W. G. Newett, Dorothy Toler, Lady Playfair and Viviani-Morel and good specimens of the above varieties also came from W. K. Wood, J. L. Little and C. A. Webber.

Especially interesting to chrysanthemums enthusiasts were the exhibits of twelve of the best introductions of the present year, and the showing indicated plainly that improvement is still going on. In this class were Mrs. J. H. White, Zerinda, Miss Louise D. Black, Oakland, Mrs. Wm. H. Rand, Millbrook, W. H. Rieman, Miss Gladys Spaulding, Mrs. S. T. Murdock, Mrs. Potter Palmer, Radiance and Philadelphia from Jas. Brydon; Crystalina, M. Richard Dean, E. M. Bigelow, Radiance, Mrs. Wm. H. Rand, Philadelphia, Camille d'Arville, Jayne, Esther Heacock, Nemesis, Miss Gladys Spaulding and Fisher's Torch from Walter Hunnewell; Catharine Leach, Helen B'oodgood and duplicates of above mentioned varieties from W. Slack. In the other classes for Japanese, Incurved and Reflexed blooms fine sets were shown by J. H. White, David Nevins, H. F. Eldredge, W. K. Wood and E. S. Converse, extra good blooms of Helen B'oodgood, Hicks Arnold, Mrs. Geo. Magee and Mrs. George West were shown by the latter.

Anemones were more abundant than at any recent exhibition here. Such varieties as Judge Elliott, Silver Bell, Delicatissima, Geo. Hawkins, Mrs. W. Owen, Tanager, Ada Strickland, Rider Haggard and Mrs. F. Gordon Dexter were shown by Jas. Brydon, J. W. Howard, Jas. E. Little and others. Of pompons there were but few exhibitors and the decrease in the number of Chinese Incurved blooms as compared with former years was quite noticeable.

The carnation claims a place in every show nowadays and one corner of the lower hall was devoted to the Divine Flower, of which there was a most interesting display of standard varieties and seedlings from Peter Fisher, Wm. Nichol-

son and others. Two of Mr. Fisher's seedlings, one white and one scarlet, the latter a seedling from Daybreak, are number one in quality and will be heard from later on. A fine dark crimson, a cross between Hector and Mangold from Wm. Nicholson also attracted attention. Other seedlings came from Thos. Waldie and Benj. Grey. Peachblow was shown by Mr. Fisher bore out the good reputation it won at last spring's show, but Minnie Cook turns out to be a burster, in this neighborhood at least.

David Nevins showed the best violets, Swanley White and Marie Louise, that have been seen here at so early a date and Carl Blomberg had a nice little display of aquatics.

An interested visitor to the show was Mr. P. O'Mara of New York. He was put at work on the newspaper reporters as soon as he appeared and showed good staying qualities. A. T. Boddington from Short Hills was also impressed into service and did good work on the flower committee. Other visitors were Alex. McLeod, Newport, R. I., N. E. Cleveland, Hartford, Conn., and Duncan Robertson, Portsmouth, N. H.

#### Philadelphia.

The chrysanthemum show of the Pennsylvania Horticultural Society opened in the Academy of Fine Arts last Tuesday evening under the most favorable auspices. Owing to the lack of entries for plants it was at first thought that it would be difficult to make a creditable exhibition, but as the entries for cut blooms began to come in it was seen that there would be an abundance of bloom that would more than make up for the absence of plants. The day for plants as a factor in a chrysanthemum show is past, the large vases of fifty blooms are so much more attractive, and the difficulties encountered by the growers of plants in pots from cuttings until ready for exhibition, and then the trouble of getting them to the show in good condition are so great that there are few men who care to take the risk and trouble.

The Academy proved a most desirable place in which to hold the exhibition; to be sure there is not an elevated view of the whole at once, but the rooms are large enough to hold one or more sections each, and as they open into one another with wide doorways through which glimpses of several rooms may be seen at once the expectancy of what is coming is even better than to see everything at once. The architectural beauty of the building and the fine paintings were an exhibition of themselves, and it needed very little of the decorator's art or other embellishment to make the building complete. In the first vestibule and about the main staircase there were some bay trees and chrysanthemums in pots to make the entrance more attractive, and this was all that was necessary.

Considering the change in location and the fact that the opening night was also that of election day, the attendance was very good. A fine orchestra rendered excellent music both afternoon and evening, which was very much appreciated.

In addition to the collections of 'mums there were some fine displays of fruit and vegetables, in fact this section has not had such a representation for years. An effort to revive the interest in garden products has been made the past season and with good results, as the present exhibits indicate.

Among the chrysanthemums there were many fine collections of specimen blooms.





FRIEDMAN'S DISPLAY AT THE CHICAGO SHOW.

Choice flowers do not call forth the exclamations of surprise and admiration they did several years ago, as at that time the improvements in the flowers were very rapid and marked. Now it takes a Philadelphia or something equally as good to start the enthusiasm. This latter variety, although it was scarcely fit to cut, was seen in a number of collections, and was easily first in point of attraction. The famous Bailedouze was unfortunately not ready, and this was the case with many other choice kinds. Mr. E. G. Hill's new variety, Mrs. Perrin, a beautiful pink, received first prize for a vase of fifty pink, the color is perfect and the collection of fifty attracted a great deal of attention. Mayflower, exhibited by Robert Craig, was first for fifty whites, although a vase of Minnie Wanamaker, immense flowers, kept the judges guessing. There were a number of these large vases of fine flowers and they are without doubt one of the most attractive features of the show. There were a number of seedling candidates for public favor, one of the best being Mr. Hancock's new pink, which he has christened Quaker City. It received a first class certificate from the National Chrysanthemum Society, scoring 83 points of merit, and a medal from the Horticultural Society. It will no doubt become a standard variety.

J. N. May exhibited Baltimore Belle, a pretty, well formed white flower, and E.

G. Hill a fine yellow, Sulphur, Sister Leo and Quakeress, two large loose whites.

J. Monahan had three vases, six in each, of Eldorado, Vivand-Morel and Mutual Friend, which were extra fine; we doubt if they could be beaten anywhere.

There was a fine collection of ferns and two tables of orchids in flower, one from Mr. Edwin Lonsdale and the other exhibited by Dr. Furness, attracted much attention as orchids always do.

There was quite a lot of carnations staged. Myers & Samtman's Della Fox, Shelmire's Eldorado and J. N. May's Lena Saling and Maud Dean being the leading favorites. Della Fox took several prizes, the silver medal of the society, the Craig cup, and a prize for the best fifty pink.

There was also a good collection of cut roses. Mrs. Morgan showed up prominently among the new ones and looks as if it will become a standard variety. G. Anderson had some very fine Kaiserin and La France, and there were also a number of good Beauties from several growers. Hugh Graham had good Brides and Mermets. This display always attracts a crowd, and the rose table is one of the most beautiful features of the show.

There were not many made-up designs, the florists being busy or not caring for some reason to compete. A plateau of chrysanthemums by Hugh Graham, one of orchids by Pennock Bros., a dinner table

decorated with growing ferns and foliage by Westcott Bros. and two mantel decorations by Messrs. Hugh Graham and Jos. Kift & Son was the extent of the exhibits of this class. K.

#### Baltimore.

The Music Hall never made a more attractive appearance than when, on November 5, it was thrown open to the flower loving public with a grand chrysanthemum show. The hall in itself is about as perfect a specimen of architecture of its kind as can be seen, and excited the outspoken admiration of all visitors from other cities; and when the floor was occupied by the groups of brilliant colored chrysanthemums and lofty palms the effect was superb. Better grown plants have never been exhibited in Baltimore than were put in competition, and, barring the fact that almost all were in an undeveloped state so far as the buds were concerned, everything was as perfect in condition as possible.

Messrs. J. Loose, Geo. King and Otto Bauer, of Washington, were judges of the cut flowers, and G. Oliver, C. M. Hale and Geo. Clark, of same city, judges of plants. Among the plant prizes awarded the first day Fisher & Ekas received first for 6 specimens, 6 varieties; for one grafted plant; for 12 plants, 12 varieties; for 6 bush plants; for one bush plant; for 50 single stem plants; second for 3 standards;



for 12 bush plants, and for 12 single stem plants. C. M. Wagner was first for one specimen and for 12 bush and 12 single stem plants; for 25 single stem plants; second for one standard, 25 single stem, one specimen and 6 bush plants; third for 6 specimens and 3 standards. James Simpson was second for 6 specimens; for one specimen, and third for 6 bush plants. I. H. Moss was first for 3 standards, for one standard; second for one bush plant, and third for one specimen. W. P. Binder was first for one plant, and third for one standard.

In the miscellaneous plant classes Cook Bros. received first for 6 carnations in bloom; P. C. Erdman first for one carnation in bloom, and second for 6 carnations in bloom. Fisher & Ekas were first for 6 foliage begonias, for 6 blooming begonias, and for 25 ferns. C. M. Wagner received second for 6 foliage begonias, 6 flowering begonias, and group of ferns covering 50 square feet. John Cook was first in the two classes calling for group of decorative plants and group of ferns respectively, covering 50 square feet. I. H. Moss was second and Fred Burger first in the decorative plant group.

There were a number of classes confined to amateurs who do not employ a gardener, and to children under 15, which called out a number of interesting exhibits.

In the cut flower classes W. P. Binder received first for 25 blooms; third for 12 blooms. C. Weber & Sons received first for 12 blooms; Conrad Hess premium offered for largest bloom in the show. C. M. Wagner was second for 12 blooms; third for 25 blooms. Fisher & Ekas received second for 25 blooms. P. B. Welsh received first for 200 violets.

Among the special prizes Jas. Simpson received first for group of 20 specimen plants; first for group of 5 Ivory, and prize for best 10 bush plants; second for 12 specimens, Japanese. James Donn received first prize for 12 Japanese specimens; special for 25 bush plants, and special for 15 plants. C. M. Wagner received special for group covering a space 8x10 feet, and second for specimen seedling. Fisher & Ekas received special for 10 plants, in 10 varieties; for 5 introductions of this year, and for best specimen seedling. A further report will be given next week. MACK.

#### Indianapolis.

The show opened auspiciously Tuesday evening. Promptly a few minutes after eight Mayor Taggart spoke a few sincere words of welcome, to which Pres. Coles responded. The stage, which is large, never looked grander, with a wealth of fine decorative plants extending up from the floor to the gallery railing, making a slope of at least fifty feet. Almost the entire decorative stock of Wiegand and Bertermann was used for this purpose. In the center of this bank on the floor the orchids were artistically arranged against large mirrors. The overhead decorations, while scant, were enough, as the new frescoing in Empire style, with lyres and wreaths made the hall look beautiful. Special attention was paid to the hanging baskets, and German canaries were placed in brass cages in under the galleries. The south, east and west corners were artistically arranged with decorative plants in jardinières and mantel decorations by Wiegand and Bertermann Bros. respectively. The center of the hall was filled with a round bed of ericas and four large tubs with 100 blooms of chrysanthemums in each. This was very attractive. Four very large latanias were placed in each corner of the main floor, from

which radiated the beds of plants, mostly square.

E. G. Hill & Co. made a very large display, receiving in the cut flower classes first for 50 whites with Mrs. Henry Robinson; for 50 any other color, Vivian and Morel; for 50 pink, M. Richard Dean; for 25 red, Fisher's Torch; for 25 yellow, Major Bonaffon; for 25 varieties; second for 25 white, Miss F. Pullman; second for 15 varieties.

H. Rieman received first for 50 yellows, H. L. Sunderbruch; second for 25 pink, Irma; second for 25 yellow; third for 15 varieties, and third for 50 pink. John Hartje received second for 50 white with The Queen, and Fred Dorner & Son first for 50 yellow with Bonaffon, and for 25 white with The Queen. Ben Hains Co., New Albany, received third for 25 white with the Queen. Theo. Bock received third for 25 pink with Fred Walz. Bertermann Bros. were third for 25 yellow with H. L. Sunderbruch. The Highland Floral Co. was second for 25 varieties, and for 50 yellow.

In plant classes J. C. Vaughan was first for specimen white and specimen yellow; John Hartje second for specimen white; H. Rieman second for yellow and third for white, and Hill & Co. third for yellow.

In the rose competition John Hartje was first for Perles. W. W. Coles was first for Kaiserin and Mme. Testout. Bertermann Bros. received first for American Beauties, Mermet and La France; second for Mrs. Pierpont Morgan (no first being awarded) and Bride. H. Rieman was first for Brides, and second for Mermet, Kaiserin and Testout. J. S. Stuart was second for Perles and Beauties.

In carnations John Hartje took first for 50 red carnations with Jubilee; Fred Dorner was first for 50 pink, and Henry Rieman first for 50 white; Bertermann Bros. second. A further list of awards will be given later.

The lighting of the hall was somewhat poor, the improvements not having been completed as promised. In Hill & Co.'s display Fisher's Torch showed up well, and Golden Wedding was very fine. Mrs. Henry Robinson was a fine white. In H. Rieman's exhibit the lot of 50 single stem plants were very well grown, and his cut blooms were very noticeable, including some seedlings. Theo. Bock showed a large pot plant of Fred Walz, and also cut blooms of the same variety.

A. Wiegand's chrysanthemum plants were fine, so were his decorative plants and mantel arrangement. E. Huckreide showed fine market plants. John Hartje's meritorious exhibit included fine plants, as well as his cut roses.

In Fred Dorner & Son's display the vase of 100 blooms Mrs. S. D. Murdock were remarkable for size and beauty, and the same may be said of their Bonaffon.

Bertermann Bros. made a display of single stem plants and cut blooms, also roses, carnations, decorative plants and mantel arrangement. Their roses were tastefully arranged on a table with adiantum and other foliage plants, also cyclamens. J. C. Vaughan showed four specimen plants. B.

#### Oshkosh, Wis.

The show here was very prettily arranged, and passed off very well. J. C. Vaughan, of Chicago, made a fine display including a very fine plant of Hicks Arnold. H. W. Buckbee, of Rockford, Ill., sent a nice collection of flowers, but unfortunately some of them were injured in transit. Reinberg Bros., of Chicago, made a beautiful display of roses.

Among local growers James Lewis showed some excellent cut blooms of chrysanthemums. Isaac Miles showed fine cut roses, and John Nelson displayed fine carnations. The arrangements of decorative plants interspersed with chrysanthemums were very good. The judges were John H. Dallaway and Wm. Currie, of Milwaukee.

In the awards Isaac Miles received first for 25 chrysanthemum plants, single stem; first for 25 pink carnation blooms, and first for vase of 12 roses, in five different classes. He received second for general display of chrysanthemums and other plants arranged for effect; for 6 white chrysanthemums, 6 yellow and 6 pink; for 2 palms; for 12 ferns, group of decorative plants and collection of begonias. Second for 12 La France and 12 Meteor roses; for 25 white carnations; for general display not entered for other competition; for three vases of chrysanthemums, 12 blooms each; for 25 varieties; for 15 blooms; for basket of flowers, and for 12 adiantums. He also received third for vase of white chrysanthemums, and for six blooms, any other color.

James Lewis received first for general display arranged for effect; for white, yellow and pink chrysanthemums, 6 blooms of each; for group of 12 ferns, group of decorative plants and collection of begonias; for four vases of chrysanthemums, 12 blooms in a vase; for 25 varieties; for 15 blooms, and for 12 adiantums. He also received third for 25 single stem plants.

H. W. Buckbee was awarded second for 12 blooms, white.

John Nelson received first for La France and American Beauty roses; first for both red and white carnations; first for general display, and first for basket of flowers. He was awarded second for Bride, Bridesmaid, Perle and Mermet roses, for any other variety, and for 25 pink carnations; also for specimen palm.

Mrs. Runney was first for specimen palm; Mrs. John Wood second for 6 chrysanthemums, for 25 single stem plants, and third for 6 yellow chrysanthemums. Mrs. Eckstein was first for specimen ornamental plant.

#### Coming Exhibitions.

- SPRINGFIELD, MASS., Nov. 12-14. Chrysanthemum show Hampden County Hort. Society, W. F. Gale, Sec'y.
- HARTFORD, CONN., Nov. 12-14. Chrysanthemum show Connecticut Hort. Society.
- KANSAS CITY, MO., Nov. 12-14. Chrysanthemum show Kansas City Florists' Club. Samuel Murray, Sec'y, 1017 Broadway.
- MONTREAL, NOV. 12-14. Chrysanthemum show Montreal Gardeners' and Florists' Club. Fred Bennett, Sec'y, 255 St. Martin St.
- MADISON, N. J., Nov. 12-14. Exhibition Rose Growers' Club. James J. Ryan, Sec'y.
- DAVENPORT, IOWA., Nov. 12-15. Chrysanthemum show Tri-City Florists' Club. A. W. Van der Veer, Sec'y, room 35, Masonic Temple.
- ATLANTA, GA., Nov. 12-15. Chrysanthemum show at Atlanta Exposition. Geo. M. Bradt, chairman, Y. M. C. A. Building, Atlanta, Ga.
- DATTON, O., Nov. 12-15. Chrysanthemum show Montgomery County Hort. Society. F. W. Ritter, Jr., Sec'y.
- EVANSVILLE, IND., Nov. 12-16. Chrysanthemum show Evansville Florists' Club. J. A. Howsley, Sec'y.
- ST. JOHN, N. B., Nov. 13-14. Chrysanthemum show St. John Horticultural Association. C. G. Knott, Supt.
- LONDON, ONT., Nov. 13-15. Chrysanthemum show under auspices of United Charities.
- LOUISVILLE, KY., Nov. 13-16. Chrysanthemum show Kentucky Society of Florists. H. Nanz, Sec'y, 582 Fourth Ave.
- READING, PA., Nov. 13-16. Chrysanthemum show. M. H. Schlader, Manager.
- ST. LOUIS, NOV. 13-17. Chrysanthemum show St. Louis florists. E. H. Michel, manager, Magnolia and Tower Grove Aves.
- HOUSTON, TEXAS, NOV. 14-15. Chrysanthemum show Houston Chrysanthemum Club. Mrs. A. H. Mohl, Sec'y.
- GRAND RAPIDS, MICH., Nov. 14-16. Chrysanthemum show Grand Rapids Florists' Club. Geo. F. Crabbe, Sec'y.



NEW CHRYSANTHEMUM LENAWEE.

BUTTE, MONT., Nov. 14-16. Chrysanthemum show. Mrs. D. J. Knox, manager.  
 NEW ORLEANS, Nov. 14-17. Chrysanthemum show New Orleans Hort. Society. Paul Abele, Sec'y, Cor. Joseph and Laurel Sts.  
 CLEVELAND, O., Nov. 19-21. Chrysanthemum show Cleveland Florists' Club. Wm. Leitch, Sec'y.  
 TORONTO, Nov. 19-22. Chrysanthemum show Toronto Gardeners' and Florists' Association. Edwin H. Carter, Sec'y, 280 Gerrard St. E.  
 NEW YORK, Nov. 25-30. Fall exhibition New York Florists' Club. Jas. I. Donlan, manager, Scarborough, N. Y.; John Young, Sec'y, 51 West 28th St.

#### Chrysanthemum Society of America.

The committees on seedlings will hold sessions for making awards to deserving new varieties on Nov. 16 and 23.

Those having seedlings to be considered by the committee should forward same by prepaid express to any of the following:

BOSTON—A. H. Fewkes, Horticultural Hall.  
 NEW YORK—Patrick O'Mara, care John Young, 51 West 28th St.  
 PHILADELPHIA—Edwin Lonsdale, 1514 Chestnut St.  
 CINCINNATI—R. Witterstaetter, Cor. 4th and Walnut Sts.  
 CHICAGO—W. N. Rudd, room 202, 185 Dearborn St.

For rules see AMERICAN FLORIST of Oct. 5, page 236, or address Elmer D. Smith, Sec'y, Adrian, Mich.

#### The Boston Committee.

Two seedlings were submitted to the committee at Boston on October 26. The record made by the committee was as follows: Day Dawn, exhibited by E. G. Hill & Co.; color creamy white with fawn in centre; Japanese, Lincoln type; a very fine early variety, foliage good. Might be called a white Lincoln; 92 points. Sundew, by T. D. Hatfield; light yellowish bronze, inner surface terra cotta; incurved Japanese, Wheeler type, foliage fine, large and well up to the flower; a cross between E. Molyneux and Hicks Arnold; 93 points.

The following report was made by the local chrysanthemum committee for the National Chrysanthemum Society on

seedlings submitted on Saturday, November 2.

West Newton, exhibited by H. A. Gane; Japanese incurved, bright nankeen yellow, foliage good, 92 points. Sun-clad, by Nathan Smith & Son; Japanese, deep chrome yellow; flowers arrived somewhat bruised; 87 points. Welcome Guest, by Geo. Hollis; Japanese, incurved, silvery pink; another year's trial recommended; 82 points. Mrs. Perrin, by E. G. Hill & Co.; Japanese incurved, Ivory type, deep rose pink, foliage fine; 92 points. Columbine, by T. H. Spaulding; Japanese incurved, with tendency to reflex; brick red, old gold reverse; 68 points.

#### The Chicago Committee.

A number of seedlings were presented before the chrysanthemum committee November 2, more than at the preceding dates. A number were recommended for further trial, and two were considered worthy of certificates. One was exhibited as No. 1, '94, by Fred Dorner & Son, La Fayette, Ind. It was the shape of Ada Spaulding, but larger; the color crimson pink at the base, shading at the apex to pale sulphur, suffused with straw buff on the outside of the petals. The other variety honored was Lenawee, exhibited by Nathan Smith & Son, Adrian, Mich. The flower was incurving, rather flat, but rising higher in the center; color a very clear but not dead white.

#### Courtesies of the Shows.

Much uncertainty seems to be prevalent in the trade as to the status of the box office of the various shows towards the visiting florists from outside cities. In our judgment, and we think this view has usually prevailed, every visiting florist should be entitled to a pass good during his visit on presentation of his business

card or proper identification, and such visitors should be urged through the premium list or program to make themselves known and avail themselves of this privilege.

#### A New Chrysanthemum Pest.

I hand you a box of chrysanthemum enemies new to me. Will you kindly hand them to some one up on the subject and give your readers the benefit of the information received. Their habit seems to be identical with the red spider and their work is terribly destructive. If the bush is shaken they fly, but usually towards the ground. This is the second year I have been troubled with them, last year in the house and this season in the open ground.

F. P. DAVIS.

Mobile, Ala.

Replying to Mr. Davis, I have to say that the insect he refers to is quite new to me. It is known to entomologists as *Corythuca Gossypi*. The specific name would indicate some connection with cotton, although it is not recorded as a serious enemy of that crop. It is not known to have attacked chrysanthemums until this season. Mr. Davis, however, is not the only grower who has been thus troubled, the pest having also attacked the plants of Mr. H. N. Hoffman, a grower of Elmira, N. Y. Mr. Hoffman writes: "We first found the insects on some pot plants which had been outdoors all summer. We did not see them until the plants had been housed, and do not find any on stock plants now standing in the open ground. We now find a few on some bench plants; but altogether there are not very many of them, and we have not taken any special trouble to get rid of them. They appear on the lower leaves of the plants, and have much the same effect on the foliage as the red spider. The affected leaves are apt to curl some and die off. The pot plants might have been infested when they were moved indoors, but we did not notice the insects until afterwards."

I need scarcely say that I do not know of any means of banishing the pest. This is a matter which must be determined by experience, the enemy being new to growers. The nature of the insect, however, would suggest kerosene emulsion, fumigation and tobacco water as the most effective remedies; and in the meantime it would be well if those growers who are troubled with this new pest would try these old-time remedies, and have the editor of the AMERICAN FLORIST set forth the results in these columns.

New York.

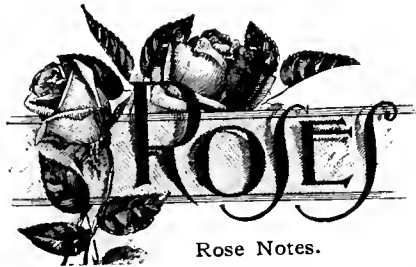
MICHAEL BARKER.

#### Characteristics of the Incurved and Japanese Types.

To conform with the terms used by the National Chrysanthemum Society of England in their classification, we have given the class formerly known as Chinese the name Incurved. In defining these two distinct types of chrysanthemums will give the descriptions as found in the Chrysanthemum Society of America's classification published in 1892. Incurved: "The varieties belonging to this section are distinguished by the globular form and outline of the flowers. The incurved flower should be as nearly a globe as possible, the florets smooth, regularly arranged, and rounded at the tip. Any tendency of the lower florets to hang loosely or depart from its imbricated form would exclude it from this class."

Mrs. L. C. Madeira, Yonitza, Congo, and Irma are examples of this type. Japanese: "No definition can be given to include all the variations found in this class. They are characterized by the absence of regularity both in form of flower and florets, the latter being either short or long, narrow or broad, sometimes being reduced to mere threads, smooth and straight or variously folded, or twisted and sometimes quilled for a part or their entire length." W. H. Lincoln, Lillian B. Bird, Pitcher & Manda and Gognac belong to this class. I do not think the new classification has been generally adopted, as most of the exhibition schedules do not mention the Japanese Incurved and Reflexed types, both of which are very important ones. The former includes those varieties which retain the general outline of the "Incurved" class, but are more loosely built, such as The Queen, Mrs. E. G. Hill and Louis Boehmer. Those which turn all their florets outward and thus show the upper surface are called Reflexed. Vivian-Morel, Inter Ocean and Etoile de Lyon show the character of this class very markedly. All these sections have been so intermingled through fertilization it is often difficult to classify them. The large reflexed and incurved varieties are generally shown in the Japanese classes. When we speak of the original classes I think the Pompon and Incurved were considered Chinese, and the large flowering sorts Japanese.

ELMER D. SMITH.



Rose Notes.

Under the above heading I expect from time to time to talk to the readers of this paper, at least to those readers who shall do me the honor of reading what I may choose to write. I rather reluctantly consented to undertake this work, first because I have not sufficient time at my disposal to treat such an important subject as it deserves to be treated, and further because it would seem that the question of rose growing under glass in all its minutest details had been thoroughly discussed again and again in these columns by Mr. May and others, and that almost everything that could possibly be said, had already been said. I have read almost every line on roses that has appeared in the *FLORIST* since it was first published, so no one need be surprised if as Mr. Dorner says, they have served up to them warmed-up dishes occasionally.

Not having the advantages which living near a large city gives, I am unable to run round from place to place and see what my brother florists are doing, so will have to content myself mainly with a recital of my own experience. I hope to chronicle some of my failures, of which I have had not a few, as well as my successes. Failure often is our very best friend, because it shows us how little we know, and acts as a spur to greater diligence and harder study. I hardly expect to furnish any points for the large grower but hope to be able to help those of limited experience, and especially the young men employed in the growing of

roses. Myself being an employee, I shall feel free to talk plain to them, and hope they will feel free to ask any questions bearing on this subject and I promise them as far as possible a full and cordial reply.

In my experience as a florist, nothing probably has impressed me more forcibly than the fact that the greatest folly that a man can commit in our business, is to adopt on a large scale the suggestions or recommendations of somebody else, even when we have the utmost faith in the person making the suggestion, or when it has been demonstrated to our satisfaction that the idea is a good one; if it is contrary to our notions and our way of doing things, experiment, but do not at once adopt. If any of my suggestions new to you seem good try them on a small scale, they may suit your conditions and circumstances, and they may not. I shall not recommend houses for roses with roofs perfectly flat like some I know of, but if I did there would be somebody foolish enough to go to work and build one of that style. I have known some very clever people persuaded into adopting the most absurd things imaginable and paying very dearly for their experience. In all such things my advice would be, "make haste slowly."

During the next few weeks the chrysanthemum will hold almost undisputed sway in the floral kingdom, but her reign will be very brief, and should the rose be thrown into the shade for a little while, let us not neglect her for a single moment. When we see the ice-box piled up with flowers waiting for a customer, if we are not careful we are apt to lose some of our interest in the plants that have produced them. At this season of the year we find so many jobs that need finishing up before the ground freezes up solid for the winter, and especially so on those places where almost everything is raised, as is usually the case with people living away from the large cities, that there is a tendency to neglect our roses in the hedges. It is not enough to go over them in the morning and cut the flowers, rush through with the hose, open the ventilators pretty wide, and leave them for the rest of the day. If this plan is followed for any length of time, it will be surprising if mildew and red spider, sympathizing with the poor neglected plants, don't take full possession of the house. By proper care there should be no mildew or red spider in a rose house at any time, but I have always found it very difficult to convince a man having charge of plants affected by these pests, that his neglect was the sole and only cause of mildew, and provided with a good hose and sufficient water pressure the same is true of red spider. Should there be any mildew, lose no time in applying yellow sulphur to the heating pipes, I prefer to mix with half its bulk of fresh lime, adding the sulphur after the lime has been dissolved, this will make the sulphur adhere to the pipes, and has no unpleasant smell as is the case when linseed oil is used.

Syringing and watering should be done early in the morning, the former only on bright sunny days, so that the moisture may be all dried up before evening. Too much moisture in the air and at the root at this season should be carefully guarded against. To insure fine sturdy growth, as much ventilation as can be given without lowering the temperature too much is absolutely necessary. There is danger on moderately warm nights of running up the temperature beyond the proper limit if fire heat is applied, but it is safer and better to turn in a little heat and open

the ventilators to regulate the temperature.

Greenfly should be rigidly excluded from a rose house, not by fumigation however, this method of extermination would be as harmful as the pest itself; fresh tobacco stems strewn along the sides of the paths is the most common way, and probably the best, but is not conducive to cleanliness in a greenhouse.

Any hybrid roses grown in pots or boxes to be brought in after the chrysanthemums are out of the way, should be moved in as soon as possible, pruned down and cleaned and mulched. The earlier they are got into bloom the more profitable the crop is likely to be.

ROBT. SIMPSON.

#### Thrips on Roses.

My roses are infested with a small yellow or brown thrips that eats the flower buds when very young, to the disfigurement of the flower later. Have tried fumigating both by burning and evaporating tobacco, also syringing with tobacco soap water very many times, but without checking them. Will you kindly inform me if there is any effective way of destroying them without injuring the plants?

F. E. P.  
Massachusetts.

Many remedies have been tried in Ohio and other sections for this, but so far the best results have been obtained from using Paris green in solution; about one tablespoonful to five gallons of water syringed on and allowed to stay at least 24 hours. Of course there is considerable danger in using this, and when the buds are being sent to market I should hesitate to use it. Continuous fumigating is also effective in ridding the houses of this pest, it is also effective in destroying the color of the flowers. Tobacco vapor if frequently applied seems to check them and eventually clear the house of the pest, and does not injure the color of the flowers unless given in too strong doses. Solution of Persian insect powder will also keep them in check, but when the flowers are wanted this also has an objection, seeing that it is poisonous, so on the whole when it can be used I should advise vaporizing with tobacco liquid. Where the place is heated by steam this is a very simple matter, but it can also be done by using a very hot brick or piece of iron, first putting the liquid into a pan or similar vessel, then place the hot brick in this, which will cause a strong vapor to rise, and if the house is only of medium size one or two pans will be sufficient. An oil stove can be brought into service, but this is too slow a method for the busy commercial man. A little practice will soon teach the operator how much is necessary for each application, and it is only by practice that this can be gained. The same operation kills greenfly and its allies, so that it a general benefit.

The thrips in question seems to be considerably more numerous than formerly, and it would be of very material help if some of our scientists could give its origin or what causes it, at any rate in the greenhouse, then we should be much better able to arrive at a preventive rather than cure, and in all cases of insect pest this is the foundation of success in combatting our enemies. Until we get to better understand this matter we must necessarily grope in the dark.

JOHN N. MAY.

## New York.

The absorbing event of the week has been the Vanderbilt wedding. It monopolized the best space of the daily papers, so that even election returns had to go on the inside pages. To florists the occasion would have no special significance were it not for the superb floral decorations. Probably no church in this country was ever decorated so lavishly, and at the same time so artistically, as was St. Thomas' church last Wednesday. The detailed description of Thorley's great masterpiece has been spread broadcast by the daily papers the world over. The AMERICAN FLORIST will do better, it will lay before its readers in its next regular issue handsome photographic reproductions of the scene, thus presenting in a manner better than can be described in words all the details of the beautiful work and giving an unprecedented opportunity to get the benefit of the example and advanced ideas of New York's most noted decorator.

Notwithstanding the heavy demands made by the wedding and numberless other occasions of lesser note the flower business languishes, that is from the standpoint of the grower and wholesale dealer. Roses and chrysanthemums are sold at figures which a few years ago were not dreamt of even in the dullest times. Undoubtedly over-production is the direct cause, and it would take half a dozen Vanderbilt weddings every day to keep the surplus within bounds. It is feared that a troublesome winter is in prospect for the growers. The retailers, on the other hand, will have no difficulty in looking out for number one.

Daniel B. Long, of Buffalo, is in town.

## Philadelphia.

Robert Craig has several good seedling chrysanthemums this season, as well as some fine sports, of the latter one is a variation from Mrs. Hill, differing from that early variety only in color, being pure white. Another choice and dainty thing is a yellow Mrs. Hardy, a really beautiful flower. His seedlings are developing well and a large orange, much finer than Tuxedo, promises to be a great favorite during the foot ball season. W. K. Harris has also quite a lot of seedlings on trial, the best of last year's selection, from which he will no doubt get something extra fine.

'Mums are now coming in in quantity, and orders for all sorts from medium to extra large are filled with alacrity. Robert Craig is carrying extra fine flowers of H. Sunderbruch and Queen. Jos. Heacock is cutting very fine Ivory. Samuel Bunting has so many fine 'mums and such large boxes to carry them in that he had to get in line with a wagon, and it is a beauty. Florists' wagons are getting quite prominent, and he is a small grower indeed who does not have at least one fancy vehicle. Wm. J. Baker is soon to put a dandy on the street; it is rumored that it will take two horses to pull it. S. S. Pennock opened his new floral depot, numbers 1612 and 1614 Barker street, last Monday morning. Sammy has made a good move; he now has a much more commodious establishment. K.

## Boston.

The cut flower market has been dull, particularly from the growers' standpoint, for the abundance of chrysanthemums has forced prices on everything else down to the lowest limit, and the chrysanthemums themselves have been selling

cheaper than ever before. A limited number of large blooms has been disposed of daily to the larger stores at prices that remind of by-gone days, but it is plainly evident that extra fancy values on this flower, whether for novelties or standard varieties, are a thing of the past. The "craze" feature has died out completely. Customers buy chrysanthemums as they do other flowers, and it is no longer possible to excite people into paying twice the value of a bloom merely by giving it the name of some society favorite. Roses have been in the dumps badly, and every rainy day leaves a big stock unsold on the dealers' hands. This is true also of carnations, which have not held up to the pace of the previous week. Violets are decidedly the best selling flowers at present. They have improved greatly in quality, and there is no trouble to sell them all at good figures.

On Wednesday evening, November 6, Miss May Elizabeth Wood, daughter of Mr. E. M. Wood of Waban Rose Conservatories, was married to Mr. Percy L. L. Coombs. Invitations were received by all the local fraternity, and a handsome silver tea set gave expression to their good wishes for the future happiness of the happy couple.

On Tuesday evening, November 12, Mr. E. O. Orpet will read a paper before the Gardeners' and Florists' Club, his subject being "English Nurseries and Gardens of 1895." The election of officers will also take place on that evening.

## Cleveland.

Business during the past week has been reported fairly good by some, while other say that it has been very slow. Chrysanthemums, which are now coming in very freely, have of course affected the sale of roses, carnations and such other flowers as are to be had unfavorably, but the chrysanthemums themselves seem still to go with reasonable rapidity and ease. How it will be a little later when people begin to have a surfeit of the big blossoms is not so easy to foretell. The supply locally is still made up largely of the earlier sorts and some few of the medium early varieties. On the whole it seems as though chrysanthemums, taken sort for sort, are this year several days later than usual.

Of late there have been rumors flying about relative to some of the florists who still do business on Euclid avenue, moving from their present locations up to Erie street—"Floris's Row,"—as it not inaptly might be called, owing to the fact that four or five florists now do business there all within a stone's throw of each other. Two or three more ought to tend toward producing an altogether delightful state of harmony. Rentals which swallow about all the profits are said to lie at the bottom of the intention to flit. It might possibly be that such a centralization of interests would lead to the improvement of business for all.

A big special meeting was held on the evening of November 5. The best of feeling prevailed throughout and everyone was enthusiastic over the prospects for the show. The local florists are taking hold in right spirit, having promised without exception to furnish a definite, and it may be said, a very liberal allowance of very useful material. Out of town florists also are manifesting a very gratifying willingness, one might well say a desire, to exhibit with us. While it is of course true that there are very excellent business reasons for such a course, still, considering the very short time which has been at their disposal, their action is a

very great pleasure to the committee in charge. It is also a very good criterion of the estimation in which Cleveland is held as a flower market, as undoubtedly this liberality of action is to some extent caused by a belief that an opportunity of this kind will redound to their business advantage; as it surely will. In the meantime, tickets are selling very well. Though there has been but little opportunity as yet to reap any advantage from the advertising, one member alone reported that he had sold upward of two hundred tickets during the past week.

In town this week, Mr. Martin Reukauf, representing H. Bayersdorfer & Co. of Philadelphia. A.

## Chicago.

Last Thursday evening the Florist Club entertained the judges of the chrysanthemum show at supper, and the affair was a most enjoyable one. Mr. Rawson spoke in very eulogistic terms of the exhibition, and related several pointed anecdotes in his own inimitable style. Mr. Graham also said many pleasant things about the show, and urged upon his hearers to be present at the Cleveland convention of the S. A. F. President Chadwick of the Horticultural Society spoke entertainingly for that organization, and Mr. J. Austin Shaw read some very taking verses in which the names of the judges and of many local florists appeared. Several excellent hits on local characters brought forth much applause. Others who contributed to the evening's entertainment were Messrs. Edgar Sanders, P. J. Hauswirth, Harry Balsley of Detroit, W. N. Rudd, Chas. W. Johnson and Walter Kreitling. The table was very handsomely decorated for the occasion by Mr. J. J. Gormley of E. Weinhoeber & Co. Secretary Egan of the Horticultural Society was present, but insisted that silence was golden in his case.

Friday morning it is still raining, and but little indication of clearing. Three rainy days out of four exhibition days makes the management of the show feel mighty blue.

Visitors this week: J. Austin Shaw, New York; G. P. Rawson, Elmira, N. Y.; A. Graham, Cleveland; Wm. Currie, Milwaukee, Wis.; Chas. Dannacher, Davenport, Iowa; Judson Kramer, Cedar Rapids, Ia.; Elmer D. Smith, Adrian, Mich.; Aug. S. Swanson, St. Paul, Minn.; Cole Bros., Peoria, Ill.

## St. Louis.

More beautiful weather than we have had the past two weeks could not be wished for, but we cry for rain; the dry spell is now about six weeks old, and no sign of rain. Business is still improving. The week just past found the market well stocked with chrysanthemums of all kinds; Ivory, Mrs. E. G. Hill and Sunderbruch are coming in fine now, and can be seen every day at the commission houses. All 'mums are coming in better every day as the midseason varieties gradually take the place of the early bloomers. The dump pile is now being filled up with roses. Carnations are sold out clean every day; everybody wants them and can't get enough. Violets are still bought up clean just as fast as they come in. Home-grown 'mums bring a good price, from 8 to 25 cents each.

The nurseries around here have plenty of orders for planting, but it is too dry, and they say that if we don't have rain soon they will not be able to do much if anything this fall.



E. W. Guy and Dr. Halstedt of Belleville, Ill., were in the city this week.

Wm. Hutchinson of Kirkwood, is cutting some fine blooms of Mrs. E. G. Hill and Sunderbruch.

C. Young & Sons open their free chrysanthemum exhibit this week, and from the looks of their plants they will have a very fine show for their friends and customers. The show opens Wednesday, November 6 to 9.

The Lindell Flower store has closed its doors, as the Houseman Floral Co. have a lease on the corner of the hotel for the exclusive right for a flower store in the Lindell Hotel.

The Bowling Club rolled Monday, and the new Chinese team beat the Japs two out of three games by a score of 3075 to 2615. Emil Schray of the Japs rolled 256 in a single game, and Beneke rolled 630 in 3 games. Mr. E. H. Michel came in as a new member of the club, and rolled with the Japs in place of H. Young, who will not roll in this series. Here are the scores made by the new teams:

JAPS.				
	1	2	3	Total
C. Beyer . . . . .	194	214	197	605
D. Helwig . . . . .	—	197	131	328
E. Schray . . . . .	257	133	195	585
F. Fillmore . . . . .	108	136	151	395
F. C. Weber . . . . .	186	160	148	494
E. H. Michel . . . . .	—	109	109	218
Total . . . . .	745	939	931	2615
CHINESE.				
	1	2	3	Total
J. J. Beneke . . . . .	248	200	192	630
C. C. Sanders . . . . .	168	133	159	460
C. A. Kuehu . . . . .	182	170	206	558
Alex. Waldbart . . . . .	151	143	183	477
J. W. Kunz . . . . .	173	132	155	460
John Young . . . . .	158	156	176	490
Total . . . . .	1077	934	1071	3075

J. J. B.

#### Pittsburg.

This week will prove a memorable one in the history of Pittsburg. The dedication and formal opening of the Carnegie Free Library to the public took place on Tuesday evening. The building was handsomely decorated with palms and foliage plants by Randolph & McClements, who deserve great credit for the manner in which it was done, being no small job to arrange, the size of the structure being so immense.

The Music Hall, where the exercises were held, was completely filled with one of the finest representative audiences ever gathered together. Gov. Hastings and a great many of the most noted in music, art and literature from other places, were in attendance. Every seat and all of the standing room was occupied, presenting a truly grand scene. The ladies in evening dress, jewels flashing back and reflecting the brilliancy of the innumerable incandescent lights, with nearly every lady wearing or carrying flowers, made the auditorium resemble a vast flower show and looking over the audience, one would see that "American Beauties" predominated even if they were not of the floral variety.

After Mr. Carnegie had presented the golden key of the hall to the trustees, Mr. Frew, the chairman, made the announcement that the guarantee fund of \$20,000 had been raised and Pittsburg is assured of a symphony orchestra, such as now exists in New York and Boston, and equal to any similar organization anywhere. He also made an official announcement of a one million dollar endowment of the art gallery and museum connected with the library by Mr. Carnegie. This will give the trustees an income of fifty thousand dollars annually, with which to purchase works of art and objects for the museum. Mr. Frew also said that when Mr. Carnegie had completed the plans he

has now under way, he will have contributed \$5,000,000 to literature, art and science in the Greater Pittsburg. High class concerts will be given at the Hall all this week, and are creating great interest in all classes of society, these, in connection with the regular receptions etc., will make this a week of rejoicing among the florists.

Mr. E. Hippard gave a formal opening of his new establishment on Friday November 1, which was very successful, the arrangement and quality of flowers and plants displayed reflecting great credit on the firm. Mr. H. Scherrer is manager, and he having been with us for over four years, is well acquainted, popular, and will be enabled to work up a good business.

Elliott & Ulam report a good grade. They have several fine decorations contracted for, one especially will be far above the average, a wealthy manufacture residing in the east end giving a large reception this week.

A visit to Beckett Bros' place on Neville Island about 10 miles below the city on the Ohio River, will give one an idea of the improvements in commercial florists places in the last few years. They have 17 houses, all new within two years and grow exclusively for the trade. One violet house is 240x16, devoted mainly to Marie Louise variety, with a few California for trial; they are all looking well, one carnation house is 155x37, planted mainly with Scott, and in beds, not a bench in the house. Their chrysanthemums are very fine, and in good variety. Bergmann and Yellow Queen were grown for early; commenced cutting September 28, a few days later than last year, finished October 23. This house is now in carnations, all looking well. They will have 'mums up to Christmas, having put in about 20,000. Mme. Calvat has proved a good white and big, M. Richard Dean, M. Pankoucke, Zipangi, Chipeta, Lager and Dean Hole are all good, Mayflower and Sunrise very fine. Clinton Chalfant is good, small this year, but can be grown very large. Of carnations they planted 30,000; varieties for dependance, Alaska, Dean Hole, Lizzie Gilbert and Scott. Magnet has large bloom, but bursts, too early now to say if it will carry through or not. They grow very extensively bulbous stock, mainly freesias, iris, gladiolus and lilies. Beckett Bros. intend boring for gas in a very short time (are using it now under boilers), and being right in the oil and gas belt expects to make a "ten strike" in the attempt. They have one of the most complete plants that is to be found in the business.

And of Mr. Fred Burki, Bellevue, the same can be said. His place consists of 25 houses. He has just completed 4 new ones (besides erecting a very handsome dwelling house) one a complete house for asparagus and smilax. Mr. B. is a very successful rose grower and has 8 houses devoted to them, Bride, Bridesmaid, Perle and American Beauty are the ones he has for main stays. They are all looking very well and furnishing first-class blooms. He grows about one-half in solid beds, and one-half in raised benches. For carnations there are 7 houses, stocked with Mrs. Fisher, Scott, Albertini, Daybreak, Portia and Hector, also a few novelties, but nothing to report about them now—all are in good condition. The California violet is a success with him. The long stem and sweetness of flower is a great recommendation, Marie Louise is well grown here. Chrysanthemums have been very fine—3 houses filled with them, but only about one-third cut—Bergmann,

Ivory, Niveus, Wanamaker and Queen are the whites, Whildin, Sturgis, Minerva and Maj. Bonaffon for yellow; Mrs. E. G. Hill, Vivian-Morel and Inter Ocean for pink are the ones grown largely by Mr. B. His stock is all first-class and sold only to the trade. He also grows largely a yellow marguerite he procured in Europe; it is lighter in color than the one mostly grown, blooms more freely and looks as if there were a double row of petals, it is pronounced much better than any here. Mr. B. has also built a vault back of his packing room, leading from it, 14x30 feet, arched, of brick, this is for keeping cut flowers in until shipment and has proved a success. Geo. Oesterle, secretary of the club is general superintendent for Mr. Burki since the retirement of the Murdochs (J. R. & A.).

The florists in the Allegheny Market report a very satisfactory week, good sales, with considerable funeral work. Mr. Gustave Ludwig reports one funeral, that of an old hotel proprietor, requiring three carriages for the flowers.

REGIA.

#### Toronto.

One hears very little but chrysanthemum talk just now in florists' circles, the good and bad points of each sort as it comes in and develops are discussed most minutely. They are having a great run here this year and are selling well; great quantities of good bloom are coming in now but prices keep about the same and there is no cutting, and every one is jubilant over the better state of trade and increased volume of business.

I am happy to state that the controller of customs has allowed the G. and F. Association the same concession with regard to cut bloom coming in for the chrysanthemum show from the United States as in former years. It can enter this port on the 18th and 19th of November free of duty. It is hoped that as usual some of the big growers across the line will send over a few entries for competition, we can promise them a good and a fair fight, and if they will come in propria persona, a hearty welcome. All the other shows with the exception of New York will be over and the 'mums are late this year, so that we shall expect to see you, gentlemen. The secretary will be glad to send prize lists to all applicants.

At Dunlop's greenhouses for the first time since last Christmas I found many improvements in the plant and everything taut and trim as usual. The chrysanthemums, which were the special object of my visit, were found in a new 200x20 short slope to the south house and were a fine sight, some of the early sorts have already been cleared out and carnations planted in their place. Of the older sorts John Shampton, Niveus, Queen, Bullock, with quite a pink tinge, Wanamaker, Vivian-Morel, Eliz. Bisland, Enfant des Deux Mondes, Beau Ideal, Inter Ocean and some others were in full swing and showing some magnificent flowers. Of the new sorts the following were worthy of special mention: Gladys Spaulding, very pretty, Mrs. W. Copeland, a good pale yellow, F. Pullman, a very strong grower, Fisher's Torch, a beauty, lovely dark rich velvety crimson, G. Bramhall, good pale yellow with broad incurved petals, Minerva promising well, Mrs. J. H. Starin, a fine white showing very large buds and of good growth, Dorothy Toler, a pretty yellowish pink of even growth, Mrs. G. J. McGee, very large pink, Philadelphia showing some large flowers, H. Bloodgood a fine pink, and J. H. Troy a fine white. Many others were not for-

ward enough to judge of their merits. By the time of the show there will be some blooms hard to beat; Roses were looking strong and in fine health. Mr. D. was well pleased with Belle Siebrecht; they were growing well with good foliage and buds on every shoot; the buds are long and of a lovely shade. Mr. D. is also getting up a big stock of his new rose, which I will leave him to announce and describe in due time; suffice it to say that it is of a most useful and prolific kind and in a few years will be indispensable to every grower. Carnations were looking in the best possible health. I never saw any better, Stuart, Albertini and Rose Queen were grand. Hawaii good bloom out of straggly ungainly growth, Bouton d'Or very promising. One house with a bench each of Scott, No. 24 seedling, white, Daybreak and No. 3 seedling, white, was quite a picture. Bride of Earlscourt of strong healthy growth and very prolific, but inclined to get pink streaked and not quite white enough, Storm King not very promising. E.

### OBITUARY.

H. L. Van Waveren, of the firm of L. Van Waveren & Co., Hillegom, Holland, died October 16, aged 54 years. He had been a member of the firm for 31 years.

### P. BRUNO MEISSNER.

On the morning of November 2, after many weary months of alternate hope and discouragement, poor Bruno Meissner at last succumbed to the disease which had fastened upon him, and his late associates paid their last sad tribute of respect and love as they stood around his grave and saw him laid away on Monday last. Mr. Meissner is the third of the Flatbush fraternity who has died within the present year. He was born in Otterwich, near Dresden, Germany, forty-five years ago. He served his apprenticeship with J. G. Kohler at Dresden, and afterwards was employed at many notable places in Europe, including J. Dickson & Sons of Edinburgh and Hugh Low & Sons, London, in all of which he enjoyed a high reputation for his ability as a gardener. He came to this country in 1876, and entered the employ of the late Wm. Bennett of Flatbush. His propensity for travel soon asserted itself, however, and he went over most of the Union, returning to Bay Ridge in 1881, where he established himself on his own account. Four years later he moved to his late location in Flatbush. His funeral was largely attended by the florists in the neighborhood, and the display of flowers was remarkable, there being some twenty-five or more handsome floral designs, including a handsome broken column from the Flatbush Bowling Club, of which Mr. Meissner was a member. He was also a member of the Society of American Florists and the New York Florists' Club. He leaves a widow and three children.

### Sioux City, Iowa.

J. C. Rennison has opened an additional retail store in the main business part of the city, as his office and retail store at Ninth and Peirce streets is in the residence portion, and the greenhouses at Twenty-fifth and Jones streets are in another residence district. A new house 18x100 has been added this fall for chrysanthemums. Mr. Rennison has grown four thousand chrysanthemum plants this season, and has arranged for fourteen shows in towns tributary to Sioux City, as far east as

Fort Dodge, and west to Lead City. The plants and flowers are shipped to the town just previous to the show, and the exhibitions are given under the auspices of one of the leading church societies. This is done more for the advertisement than anything else, though it is expected that the shows will pay more than expenses. All the advertising matter is furnished by Mr. Rennison, and the express is prepaid on the shipments, so that those in charge have no risk whatever.

A 60 horse-power tubular boiler is being put in at Mr. Rennison's Twenty-fifth street greenhouses.

CEDAR FALLS, IA.—A chrysanthemum show will be held here November 13 to 15. Bancroft will be the principal exhibitor, but displays are promised from Chicago, Richmond, Ind.; St. Paul and Adrian, Mich.

### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

**SITUATION WANTED**—By experienced helper Salary no object. A, care Am Florist.

**SITUATION WANTED**—By a well experienced florist and gardener; single. Chicago preferred. H. WIERG, 3038 N Oakley Ave., Station X, Chicago.

**SITUATION WANTED**—By single man, German, to S a commercial place; good steady worker and fair knowledge of all branches of the business. Address CARL, care American Florist.

**SITUATION WANTED**—By competent florist, to roses, carnations, and bedding stuff. Single, age 27. Good references. State wages. Address FLORIST, 723 S. Laurel St., Richmond, Va.

**SITUATION WANTED**—By young man of considerable experience, as assistant. Northwest preferred. References. Address NELS PETERSON, Box 409, Eau Claire, Wis.

**SITUATION WANTED**—As foreman by first-class grower of roses, carnations, violets, decorative plants, etc.; a life experience; give particulars. Address FLORIST, 1625 Chestnut St., St. Louis, Mo.

**SITUATION WANTED**—By a young man, age 23 single, American, as correspondent or other office work—shipping department. Thoroughly acquainted with the plant trade. FRED C. MORLAN, Salem, O.

**SITUATION WANTED**—By young man as assistant, to take full charge of private or commercial place. Can furnish 8 years best references from Newport. Address 10 Carey St., Newport, R. I.

**SITUATION WANTED**—By first-class all-round Scotch florist; roses and carnations specialty; over 20 years' experience; single, sober and reliable, good reference. Address FLORIST, 15 S. Pond St., Newburyport, Mass.

**SITUATION WANTED**—Dec. 1 by a middle aged single man as foreman; specialist in forcing roses, etc.; first propagator, first reference, sober, honest; no struggling party wanted; state wages and particulars. Address GERMAN, care American Florist.

**WANTED**—A florist, single; give references; state experience and wages wanted. I. L. PILLSBURY, Galesburg, Ill.

**WANTED**—All catalogues and trade lists formerly sent to H. Schlack, Elgin, Ill, directed to Bach & Koebke, his successors in business, Elgin, Ill.

**WANTED**—Address of Joseph Reeves, gardener; went to Wisconsin 6 years ago from Toronto, Canada. Address at once to JOHN McKERRIGHAN, College St., Toronto.

**WANTED**—Stenographer and typewriter. Must be experienced in the florist and nursery business. A competent person will find a steady position. Address SIEBRECHT & WADLEY, 405 1/2 Ave., New York.

**WANTED AT ONCE**—A single young man, as all round greenhouse man; steady and sober. State age, experience, and wages wanted. A steady place and home for the right party. Address C. CRAMER, Salt Lake City, Utah.

**WANTED**—A good florist to take charge as a working foreman, about 150,000 feet of glass used for roses, carnations, mums, violets, palms, lilies, and a general lot of bedding stock. Send references, state experience and wages expected. Address J. F. WILCOX, Council Bluffs, Iowa.

**WANTED**—At once, a first-class florist as working foreman to take charge of our greenhouses; must be an up to date grower of roses, mums, carnations and other cut flowers, also bedding plants, etc.; a good salesman, sober, and furnish first-class references; state salary expected. A permanent place to the right man. TEXAS SEED & FLORAL Co., Dallas, Texas.

**FOR RENT**—Eleven greenhouses. This will be a chance for a young man to take a hold of business. He can make a start with a small capital. This place will bring from \$1,000 to \$5,000 a year clear. There is already one man in the business and he wants a partner. This is an old established place. I have resigned on account of my health. Address HENRY MOORE, 42 Main St., Memphis, Tenn.

## CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery from March 1st. Cultivated Cycas always on hand, rooted and well established, at low prices.

Lil. Auratum, Spec. Rubrum and Album, Etc. Iris Kämpferi, in 100 choice varieties. Japanese Maples, in best varieties. Camellias, Pæonies, Tree Ferns, Rhipis, Etc. Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

### F. Gonzalez & Co.

303 to 312 Wayne St., SAN FRANCISCO, CAL.

**DRACAENA INDIVISA**, fine plants for grow- Per 100 ing on, 3 1/2 inch pots . . . . . \$6.00  
2 1/2 inch pots . . . . . 3.00  
**ADIANTUM CUNEATUM**, 2 1/2 inch . . . . . 2.50  
**DRY CALLA ROOTS**, fine home grown . . . . . 5.00  
**ROOTED CUTTINGS VINCA VAR** . . . . . 1.00  
**CYPERUS ALTERNIFOLIUS**, 2 1/2 inch . . . . . 2.00  
" " 3 1/2 and 4 inch . . . . . 2.00  
**PANSY PLANTS**, fine, stocky, per 1000 \$4.00 . . . 50  
CASH WITH ORDER.

**THE OAKS GREENHOUSE CO.,**  
Wholesale Florists, Jackson, Mich.

## SPECIALTIES

IN BEST VARIETIES.  
**ROSES**, from 3-inch pots.  
**CARNATIONS**, for fall delivery.  
**CHRYSANTHEMUMS.**  
**SMILAX.**

Prices low. Send for list.  
**WOOD BROTHERS, FISHKILL, N. Y.**

## STOCK PLANTS

### CHRYSANTHEMUMS.

Per doz. Per 100  
**MME. F. BERGMANN** . . . . . \$2.50 \$15.00  
**MARION HENDERSON** . . . . . 3.50 25.00  
Now Ready.

**NATHAN SMITH & SON, Adrian, Mich.**

We have just received a fine Importation of

## GHEENT AZALEAS

in excellent condition. Plants are nicely shaped, well set with buds, and certain to give every satisfaction. Orders filled strictly in rotation.

For prices and sizes see our latest quarterly.

**PITCHER & MANDA, Inc., Short Hills, N. J.**

## Pansies Worth Raising.

**STRONG PLANTS**, ready now, \$2.50 per 500; \$4.00 per 1000. Discount on large orders. Free on board express here.

Also **SEED** as usual. Cash with order. Full value in return.

**C. SOLTAU & CO.,**  
199 Grant Ave., JERSEY CITY, N. J.

## ROSES.

**1500 Monthlies, 1500 H. P's, 1000 Moss and Climbers.**

Best varieties, 2 year bench grown, fine, healthy plants suitable for 4 to 6-inch pots, for sale cheap, to make room. Terms reasonable to responsible parties.

**THOS. A. McBETH, Springfield, O.**

## New Directory.

A corrected edition of our Trade Directory and Reference Book will be issued Jan. 1, next.

**AMERICAN FLORIST CO.**  
P. O. Drawer 164. . . . . CHICAGO.

**THE AMERICAN FLORIST**

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure  
insertion in the issue for the following Saturday.

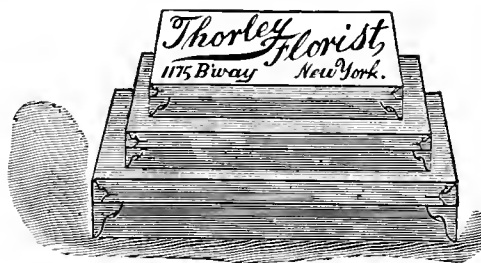
Address THE AMERICAN FLORIST CO., Chicago.

**A Visit to Berkshire County, Mass.**

Somehow florist John White, who is everybody's friend, learned that a party of Boston florists was to pass through Pittsfield on a visit to Lenox. That settled it. So when on Tuesday last half a dozen of the Hub's representatives alighted from the train at Pittsfield after a four hours ride from Boston, they found a genuine surprise awaiting them in the shape of a delegation of the Dalton fraternity and a four-in-hand turn-out. Cordial greetings all around, and then all aboard for Mr. White's residence, where Mrs. White extended a hospitable welcome, and led the way to a big table heaped with good things. And this was only the beginning of what was to all those who participated the occasion of a life-time, a day and a half passed amid the grand autumn scenery of the Berkshire Hills as guests of the jolliest crowd of gardeners that was ever gathered together. The glorious drive to Lenox in the evening terminated in another surprise, a welcome by the Lenox Horticultural Society. The boys were all there, having gathered to the number of seventy-five or more from the country for miles around. President Martin Finaghty managed the proceedings with marked ability. A detailed report would fill a volume; suffice it to say that wit, oratory, song and good cheer held full sway until the night was far advanced, and the company reluctantly dispersed.

The following morning the four-in-hand was again brought forth. The beautiful grounds of W. R. Robeson, with its lawns and gardens and noble evergreens, all under the skillful management of Wm. G. Henry; the estate of A. P. Stokes, where the evidence of Jas. Paul's skill was seen in a splendid collection of ferns, stove plants and orchids; Mr. H. H. Cook's handsome range of houses, where Geo. Thompson holds forth and converts a little of the Standard Oil money into roses and chrysanthemums of unrivaled perfection; W. D. Sloan's, where Wm. Griffin, although entrusted with the care of a vast domain can show houses of American Beauty, carnations and cattleyas equal to the best in the country; Chas. Lanier's, with A. H. Wingett at the helm and everything in apple-pie order; all these and more were visited and admired, and boundless hospitality prevailed everywhere, nor did the big hearted hosts leave their self-imposed task until they had delivered their charges at the train in Pittsfield again, six miles away, without their having had an opportunity to experience the sensation of either hunger or thirst for two minutes consecutively during their stay.

DETROIT, MICH.—Geo. Bruttel has recently opened a retail store, corner Watson and Beaubien streets.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**NEW YORK SALESROOM:  
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

**LONG'S FLORISTS' PHOTOGRAPHS.**

FOR USE IN TAKING ORDERS.

Sets from \$1.75 up. 176 Subjects.

For Priced Circular, apply to Supply  
Dealers, or the Publisher,**DAN'L B. LONG, Buffalo, N. Y.**

**W. ELLISON,**  
WHOLESALE  
Cut Flowers & Florists' Supplies  
WIRE DESIGNS.  
1402 PINE STREET,  
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**C. A. KUEHN,**  
(Successor to ELLISON & KUEHN.)  
Wholesale Florist,  
1122 PINE STREET,  
ST. LOUIS, MO.

A complete line of Wire Designs.

ESTATE OF M. A. HUNT,  
Wholesale Cut Roses

TERRE HAUTE, IND.

Parties unknown to us, references must be  
given. Orders promptly filled.

**H. L. SUNDERBRUCH,**  
Wholesale Florist  
4TH AND WALNUT STREETS,  
Cincinnati, O.

**The Boston Flower Market**is prepared to purchase, on order, and  
ship Trade orders for Cut Flowers at  
prices ruling in the market on day of  
sale. TERMS STRICTLY CASH.Address **WM. J. KENNEDY, Mgr.,**  
Flower Market, Park St., BOSTON, MASS.  
Long Distance Telephone "Haymarket 638."**Cut Smilax**

15 CENTS PER STRING.

THE NATIONAL PLANT CO.

CASH. DAYTON, OHIO.

**DAN'L B. LONG,**  
FLOWERS AT WHOLESALE.  
Strictly Commission Business.

SUPPLIES, ETC.  
LISTS FREE. BUFFALO, N. Y.

**SAMUEL S. PENNOCK,**  
Wholesale Florist

1612 & 1614 BARKER STREET,  
Bet. Market & Chestnut. PHILADELPHIA, PA.**"The National"**Folding Flower Boxes are the best  
and most convenient ever put upon  
the market. They are made from  
board, manufactured especially for  
these goods, and made so as to resist  
moisture, thereby keeping the flow-  
ers fresh, and the box holding its  
shape.

**THE NEW YORK  
CUT FLOWER CO.,**  
119 and 121 W. 23rd St., and  
112 and 114 W. 24th Street,  
**IS NOW  
OPEN FOR BUSINESS.**  
The Largest Dealers in  
**CUT FLOWERS  
IN THE WORLD.**

Handling flowers of all kinds in quantity  
we are in a position to fill shipping orders  
promptly. We shall give careful attention  
to this branch of the business, and solicit  
your patronage.

**J. A. MERRIFIELD & CO.**  
Wholesale and Commission  
**FLORISTS,**  
LAKE ST. AND WABASH AVE.,  
(South East Corner).  
Tel. Main 1768. . . . CHICAGO.

**Asparagus Plumosus Nanus.**

Cut Strings, 8 to 10 feet long,

50 CENTS.

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WHOLESALE CUT FLOWERS,  
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**G. Van Bochove & Bro.**  
Growers and Wholesale Dealers in  
**CUT FLOWERS.**

Order Direct from Growers.

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68 Lake Street, CHICAGO.

## WHOLESALE CUT FLOWERS.

SEEDS, BULBS AND ALL  
FLORISTS' SUPPLIES.

## KENNICOTT BROS. CO. WHOLESALE CUT FLOWERS, and FLORISTS' SUPPLIES. 34 & 36 RANDOLPH STREET, CHICAGO.

## T. J. GORBREY & CO., Wholesale Commission Florists 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

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WRITE US FOR OUR ILLUSTRATED CATALOGUE.

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Our Roses best them all, in quality.  
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NEW YORK, Nov. 5.	
Roses, Bride, Maid, Bride, Cusin, Watteville	1.00@4.00
" Meteor, Testout, Kaiserla	2.00@6.00
" Beauty, culis	1.50@5.00
" extra grades	8.00@30.00
Carnations, ordinary	1.00@2.00
" fancy	1.50@4.00
Valley	2.00@5.00
Chrysanthemums	5.00@10.00
" fancy	12.00@30.00
Violets	1.00@2.00
Adiantum	75@1.00
Asparagus	35.00@50.00
BOSTON, Nov. 5.	
Roses, general list	1.00@6.00
" Beauty	10.00@25.00
Carnations	75@1.50
" extra	1.50@2.00
Valley	3.00@4.00
Violets	10.00@12.00
Adiantum	75@1.00
Smilax	10.00@12.00
Asparagus	50.00
PHILADELPHIA, Nov. 5.	
Roses, Beauties	15.00@20.00
" teas, large varieties	3.00@4.00
" second	2.00@3.00
Carnations	1.00@2.00
Valley	4.00
Chrysanthemums	15.00@20.00
CHICAGO, Nov. 8.	
Roses, Beauties long	15.00@25.00
" short medium	8.00@12.00
" large teas	3.00@4.00
" select	4.00@5.00
Carnations	1.00@1.50
" fancy	2.00
Valley	5.00
Smilax	12.50
Chrysanthemums, select, per doz.	1.00@3.00
" southern growth	4.00
ST. LOUIS, Nov. 7.	
Roses, select stock	3.00@5.00
" ordinary	2.00
" Beauties long	10.00@18.00
" short	5.00@8.00
Carnations fancy	1.50@2.00
" ordinary	1.00
Valley	4.00
Violets single	.25
" double	.75
Smilax	10.00@15.00
Asparagus	50.00
Chrysanthemums, southern	2.00@4.00
" home grown	8.00@25.00
Cosmos	.50
Ferns, fancy	1.50
" common	1.00
BUFFALO, Nov. 6.	
Roses, Beauties	12.00@20.00
" Meteors	5.00@6.00
" Bridesmaid, Mornets, Bride	8.00@10.00
" Cusin, Perle	4.00@5.00
Chrysanthemums	5.00@15.00
Carnations, fancy	1.25@2.00
" common	1.00@1.50
" short	.50@.75
Valley	4.00
Violets	75@1.25
Adiantum	1.00@1.25
Smilax	15.00@20.00
Asparagus	50.00

## GEORGE A. SUTHERLAND, Successor to PECK & SUTHERLAND, Successors to WM. J. STEWART, Cut Flowers & Florists' Supplies WHOLESALE. 67 Bromfield St., BOSTON, MASS. New England Agent for the GREAT ANTIPEST.

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JOBBERS IN  
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SUPPLIES,  
FLORISTS'  
VASES.

METS,  
BRIDES,  
GONTIERS,  
CARNATIONS,  
ALWAYS ON HAND.

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HORTICULTURAL AUCTIONEERS.

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SPECIAL EXTRA STOCK OF  
AM. BEAUTY, METEOR,  
BRIDESMAID, BRIDE.

DISBUDDED CARNATIONS.  
FANCY GRADE.

CATTLEYA LABIATA, splendid blooms.

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Roses Shipped to all points. Price list on application.

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Careful Shipping to all parts of the country.  
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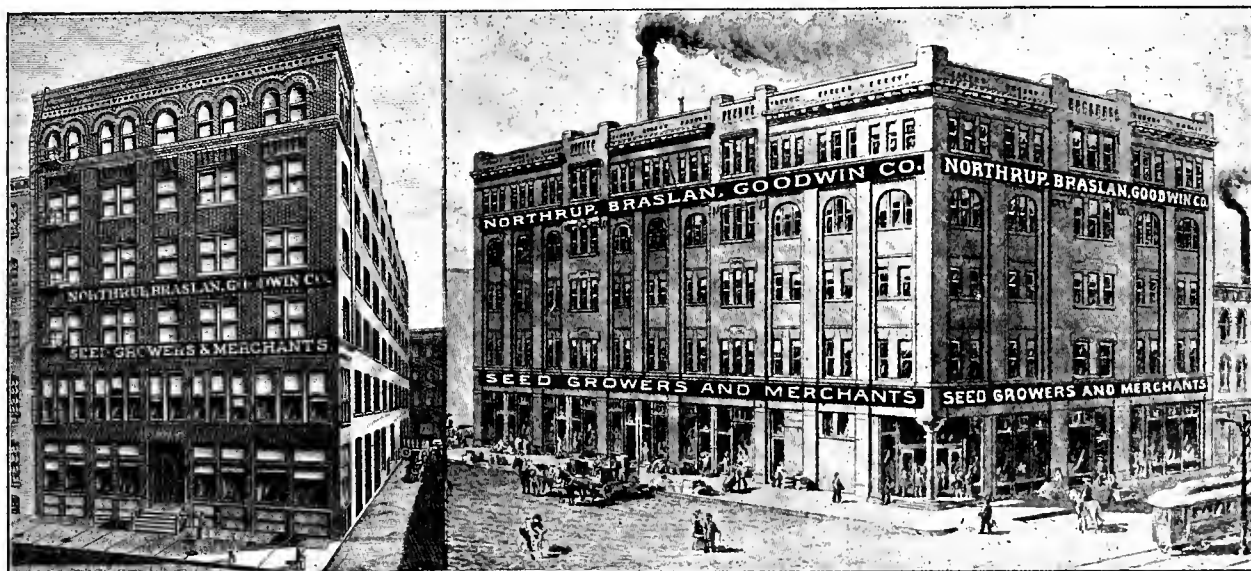
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Being **GROWERS** we are in a position to supply **Seeds of first-class quality** and to make **specially low prices**.

A trial will convince those who have not yet found this out.

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20 TO 28  
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55, 57 & 59  
NO. JEFFERSON STREET, CHICAGO.



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#### GARDEN SEEDS,

Plants, Bulbs & Requisites.  
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

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Philadelphia, Pa.

## Plant Auction.

SALES EVERY TUESDAY AND FRIDAY  
THROUGHOUT THE SEASON.

A. & F. RÖLKER, Auctioneers,  
106 Liberty Street, NEW YORK.

### For Sale Cheap!

## 2000 Echeveria Secunda Glauca

SPLENDID PLANTS.  
\$2.00 per 100; \$15.00 per 1000. Cash with order.

A few large E. METALLICA, at 10 cents each.

H. YUCELL, Florist,  
Lodi and Willow Streets, Syracuse, N. Y.

W. A. MANDA,  
MERCHANT, GROWER, IMPORTER & EXPORTER OF

### FLORISTS'

## Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.  
The Universal  
Horticultural Establishment, SOUTH ORANGE, N. J.

## LILIUM HARRISII.

Original and largest growers of this important bulb.

OUR SPECIALTY.

True Stock. Lowest Prices. Best Quality.

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## CLAY'S FERTILIZER

A Highly Concentrated Plant Food.

Used by the leading growers all over the world. Unsurpassed for Roses, Chrysanthemums, and all horticultural purposes. Genuine only in sealed bags with makers trade mark. For sale in the U. S. by the undersigned in 112 lb. bags at \$4 per bag f. o. b. Phila. 12 lb. sample \$1. G. C. WATSON, 43 N. 10th St., Phila.

WE ARE HEADQUARTERS ON  
BULBS FOR FORCING,  
FLOWER SEEDS FOR FLORISTS  
ENGLISH MUSHROOM SPAWN.

Special prices on application.

JOHN GARDINER & CO., Seedsmen,  
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## Supplies. Bulbs and Seeds

At Wholesale. New Trade Lists now ready.  
Mailed free on application.

Address August Rölker & Sons,  
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## BULBS.

HYACINTHS, TULIPS, CROCUS, NARCISSUS,  
AND A GENERAL LINE. FINE STOCK.  
WRITE FOR PRICES.

THE NATIONAL PLANT CO., Dayton, O.

## TELEGRAPH CODE

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AM. SEED TRADE ASSOCIATION  
\$2.00,

In either stiff or flexible cover.

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P. O. Drawer 164. . . . . CHICAGO.

## Chinese Sacred Lilies.

Sample basket containing 30 First  
Size Bulbs, \$1.65.

DUTCH HYACINTHS, NARCISSUS,  
TULIPS, CROCUS, ETC.

SPHACNUM MOSS, clean, per bbl. . . . \$1.00

TOBACCO DUST, per bbl. (about 125 lbs.) . . 2.00

SHEEP MANURE, 100 lbs. . . . . 2.00

Write for pamphlet about

"LYSOL," The Ideal Insecticide.

HERRMANN'S SEED STORE,  
413 E. 34th St., near Long Island Ferry, NEW YORK.

## CINERARIAS.

We are the largest growers in the country. Our strain of this beautiful plant is unsurpassed. 2 1/4-in., \$2.50 per hundred.

WHITTON & SONS, 90 Roberts St., Utica, N. Y.

## WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus  
AND  
LILIUM HARRISII.

Special low prices on application.

WEBER & DON,  
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PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

## New Bedford, Mass.

After many unsuccessful attempts to avert what appeared for some time to be the inevitable, the estate of Geo. C. Bliss, the Cottage street florist, has been seized and attached by the sheriff. No definite information as to the amount of his indebtedness and the creditors involved is obtainable at this writing. A meeting of the creditors will be held at Taunton on the 8th of November, when an assignee will be appointed and the disposal of the estate will be duly considered and decided upon.

The cut flower trade is steadily improving, and the demand for choice stock is about equal to the source of supply. Fine, long stemmed carnations sell readily. Some fine specimens of the early chrysanthemums are to be seen in the florists' show windows, though the quantity, especially of the larger kinds is as yet rather limited.

Mr. Wm. Peirce, the veteran florist, had considerable of funeral work during the past week, having turned out some large and elaborate designs. Neither age nor the wear and tear of everyday life seem to have affected him much. Mr. Peirce is hale and hearty, and notwithstanding his age, he can enjoy a clever joke about as well as the rest of them, many years his juniors.

Mr. John Renet has erected four 18x50 greenhouses, intending to grow roses and carnations. X.

## Syracuse, N. Y.

All the florists are smiling these days; business is looking up, and the prospect for a good winter's trade is very bright. 'Mums are coming on slowly, white and yellow are the first, and good carnations are scarce; violets the same. Roses are doing well, and the demand is supplied.

Mrs. M. E. Hayden, one of our pioneer florists, has had a siege of bad luck which I trust culminated last Sunday evening. During a heavy gale a lamp was blown over in the work shed, which set fire to the place and resulted in damaging the greenhouses to the extent of \$500. Of course the stock in other houses suffered from smoke and water. She has the sympathy of her friends and the florists.

H. Y.

## KELSEY'S

Brilliantly Colored

Southern Galax Leaves,  
GREEN and BRONZE.

We are making heavy shipments now, and all orders by mail or wire quickly sent. Our method of packing saves all rehandling. Case of 5000, \$3.75; 700, postpaid, \$1.00.

Wholesale Florists everywhere supplied.

For full information and free samples, address the INTRODUCER

HIGHLANDS NURSERY, Kawana, N. C.

## OUR ANNUAL

Chrysanthemum  
Number

WILL BE ISSUED NEXT WEEK.

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina  
Aurea, Lombardy.

## ONE THOUSAND CAR LOTS of OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Goose-  
berries, Raspberries, Blackberries, Dew-  
berries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR. 1000 ACRES. 29 GREENHOUSES.

## THE STORRS &amp; HARRISON CO., PAINESVILLE, OHIO.

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FANCY.

DAGGER.

## EVERGREEN CUT FERNS

ESPECIALLY FOR FLORIST'S USE.

\$1.25 PER THOUSAND FERNS.

IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns furnished the year round. Special attention given to supplying the Wholesale Trade.

BOUQUET GREEN. For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.

SPHAGNUM MOSS a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

L. B. BRAGUE, Hinsdale, Mass.

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## CHRYSANTHEMUMS.

Stock plants, strong clumps, PHILADELPHIA, 50 cents each.

Miss M. M. Johnson, Nemesis, J. H. Troy, J. E. Lager, Mrs. Henry Robinson, Mrs. J. B. Parker, Jr., Sunrise, and all other Novelties of the season, 25 cents each.

Yellow Queen, Lady Playfair, Mayflower, Bergmann, G. Bramhall, Minerva, H. Sunderbruch, and all good Standard varieties, 25c each.

Cash with order.

FRANK McMAHON, Seabright, N. J.

## Herr's Pansies.

Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

FIELD CROWN CARNATIONS, fine plants, reasonable prices.

L. B. 496. ALBERT M. HERR, Lancaster, Pa.

300 Acres in Nursery.

1 Acre of Glass.

## Specialties for Florists.

Per 100  
Azalea indica, 8 to 10 inches, with buds, \$12.00  
Cardenias, bushy, 15 to 18 inches, 12.00  
Crevillea, 12, 18 and 24 inches, \$6.00, \$8.00 & 15.00  
Eugenia Jambos, 12-15 inches, 12.00  
Camphor, 12-18 & 20-40 inches, \$8.00 & 25.00  
Guava Red Cattley, 1-20 inches, 12.00  
Magnolia Fuscata, 8, 15 & 20 in., \$12, \$15 & 25.00  
Olea Fragrans, 6, 10 & 20-15 in., \$8, \$12 & 20.00  
Oranges & Lemons, grafted on dwarf stock, blooming size, stocky, 10-12 & 15-18 in., \$25 & 40.00  
Otaheite Orange, bushy, 10 & 12-15 in., \$8 & 15.00  
Stock of above all pot-grown, ready now to ship, and in best possible condition.  
FIELD-CROWN ROSES, including 104,000 M. Niel, budded; Fruit and Ornamental Trees, Rare Containers, etc. Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS.

Fruiland Nurseries, AUGUSTA, GA.

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## TREE PAEONIA,

Rhododendrons, Hardy Azaleas, Clematis, H. P. Roses, Magnolias, Paeonias tenuifolium fl. pl., etc.

All strong, field-grown stock.

Ask for Prices.

L. C. BOBBINK,

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Remember  
The Cottage Gardens,  
QUEENS, L. I., N. Y.,

Make a Specialty of growing large quantities of

NEW CARNATIONS,  
NEW CANNAS,  
NEW GERANIUMS,

as well as the best tested Standard Commercial sorts, especially for propagating young stock for

## COMMERCIAL FLORISTS.

Our aim is to send our customers none but first-class stock, well rooted, in healthy, growing condition, and to give full count and satisfaction.

Our stock offered for sale this season will consist of

400,000 CARNATION CUTTINGS,  
100,000 GERANIUM CUTTINGS,  
100,000 CANNAS,

which will be grown in first-class condition, and sold at reasonable prices.

ANY FLORIST can have our DECEMBER TRADE LIST by sending us HIS ADDRESS AND NAME.

GIVE US A TRIAL ORDER.

C. W. WARD, Manager.

# PALM SEEDS

VERY IMPORTANT: WE REPLACE ALL PALM SEEDS NON-CERMINATING.

K. FORSTERIANA.....	100 1000
PHOENIX CANARIENSIS.....	\$1.25 \$7.50
TENUIS.....	.50 3.00
WASHINGTON ROBUSTA.....	.60 4.00
BRAHEA FILIFERA, \$1.00 per lb.	.25 1.50
JUBAEA SPECTABILIS, the hardest	
Palm of South America.....	1.25 10.00
ACROCOMIA TOHAITY, new, beautiful.	1.75 15.00
DRAECAENA AUSTRALIS.....	.40 3.00
NUTANS.....	.60 5.00
INDIVISA.....	.25 1.50
BAUERI.....	.50 4.50
ARAUCARIA IMBRICATA just arrived	
in splendid condition.....	2.00 15.00

Chas. Schwake, 404 E. 34th St., New York.

## CARNATIONS

After the early chrysanthemums are thrown out, many florists plant carnations. We have a few thousand good plants heeled in, in the cold house, suitable for this purpose.

MME. DIAZ ALBERTINI, ADA BYRON,  
\$5.00 per 100.

GARFIELD, ROSALIND,  
HINZE'S WHITE, MRS. CARNEGIE,  
UNIQUE, MRS. F. MANGOLD,  
\$1.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

## ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England,  
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A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106  
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Send for illustrated catalogue.

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Cut Blooms at Wholesale.

FIELD PLANTS AND ROOTED CUTTINGS  
IN SEASON.

C. J. PENNOCK,  
The Pines. KENNETT SQUARE, Chester Co., PA.

## IT WILL PAY YOU

to plant CARNATIONS after your early Chrysanthemums are out. We have a fine stock of medium sized plants of Wm. Scott Carnations in cold frames at \$6.00 per 100; \$50.00 per 1000.

Cash with order. All other kinds sold out.

GEO. HANCOCK & SON, Grand Haven, Mich.

## CARNATIONS, Strong Plants in Cold Frames.

EDNA CRAIG, MME. ALBERTINI, FRED. DORNER, WML. SCOTE, BLANCHE. FISHER, \$6.00 per 100.

SILVER SPRAY, RICHMOND, MRS. REYNOLDS, MRS. HITT, GARFIELD, PORTIA, McGOWAN, \$4.00 per 100.

Terms, cash with order.

JOSEPH HEINL, Jacksonville, Ill.

## NOTICE.

DISSOLUTION OF PARTNERSHIP.  
The firm hitherto known as Fisher & Aird, florists at Ellis, Mass., has been dissolved by mutual consent. The business will, in future, be carried on by Peter Fisher.

Signed,

PETER FISHER,  
DUNCAN AIRD.

# Palms for Decorations

## Arecas. CHEAP. Kentias.

Having decided to close out my Palm business, and wanting the houses for other purposes, I am offering two large houses full of ARECAS and KENTIAS at

**25 PER CENT.**

less than I was selling them for two weeks ago. Over 2000 plants, 8 to 12 inch pots, in fine condition. It will pay you to see them, or send for prices and sizes.

JOHN BURTON, Chestnut Hill, Phila., Pa.

## New Extra DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20  
varieties, for only \$2  
by mail.

CASH WITH ORDER.

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Lock Box 77,

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When writing mention American Florist.

## Chrysanthemums & Carnations

CHRYSANTHEMUMS, in bud, 5 or 6-inch pots @ \$2.00  
" " in bud, 4-inch pots . . . @ 4.00  
CARNATIONS, assorted colors 5 inch pots. . . @ 8.00

## PALMS, FERNS, SMILAX.

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 4 & 5-inch \$3.50, 20 for \$6; 6-10. for \$5. All good selected varieties.

Special sale: Choice FERNS, \$5.00 and \$6.00.

SMILAX, fine plants in 2 1/2-inch pots, \$2.00 per 100.

LABELS, MOSS, ETC.

WILLIAMS & SONS CO., Batavia, Ill.

Mention American Florist.

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Field Grown Plants.

ELDORADO and OTHER SEEDLINGS.

W. R. Shelmire,

Send for circular. AVONDALE, PA.  
Mention American Florist.

## E. G. HILL & CO., Wholesale Florists

RICHMOND, INDIANA.

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## Adiantum Farleyense Fern

	Per doz.	Per 100
3-inch.....	\$3.00	\$20.00
4-inch.....	5.00	40.00
5-inch.....	9.00	75.00

We have the finest and largest stock in the west.

BAKER BROS.,

P. O. Box 72.

KANSAS CITY, MO.

Always mention American Florist.

## 40,000 CARNATIONS.

Field Grown.

	PER 100
DAYBREAK.....	\$5 00
NANCY HANKS.....	5 00
LIZZIE MCGOWAN.....	5 00
SILVER SPRAY.....	5 00
AURORA.....	4 00
HELEN KELLER.....	7 00
FRED CREIGHTON.....	4 00
VIOLETS, MARIE LOUISE.....	5 00

All good strong healthy plants.

ROGERS PARK FLORAL CO.,

41 WABASH AVE., CHICAGO.  
Mention American Florist

## Complete Catalogue

OF

Fruit Tree Stocks, Ornamental Trees,  
Shrubs, Evergreens, Roses, Etc.

Grown by

P. SEBIRE & SONS,

USSY, (Calvados), FRANCE,

will be mailed on application to their sole  
Agents,

C. C. ABEL & CO.,

P. O. Box 920 NEW YORK.  
Mention American Florist.

## CARNATIONS

Strong Field-Grown Plants at a Bargain.

500 UNCLE JOHN.....	\$5 00 per 100
500 E. A. WOOD.....	5.00 per 100
300 ALBERTINI.....	5.00 per 100

We are sold out of all other varieties.

FRED DORNER & SON, La Fayette, Ind.  
Mention American Florist

ALEX. McBRIDE,

Carnation Grower

ALPLAUS, N. Y.

## CARNATIONS A SPECIALTY.

Rooted Cuttings. Young Plants. Field Grown  
Plants in season Write for prices.

GEO. HANCOCK & SON, Grand Haven, Mich.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.



## San Francisco.

Trade the past few weeks has been very poor. The market has been flooded by a very poor class of stock, which found its way onto the street and was disposed of at ruinous prices. This is particularly true of chrysanthemums. Never before has there been so many of them in the market at onetime. Of course good flowers find a good market, particularly Queens, Dailledouze and Major Bonnaffon. Golden Gate, which used to be a great favorite, is now no longer in demand. Roses are also a drug, with the exception of American Beauty and Tes-tout. The California violet is selling well at present at \$2 per dozen bunches. Marie Louise have also stiffened a little, and the demand is better than heretofore. Chrysanthemums in pots, which used to be sold largely, now are not sold or seen any longer.

John Scharle, formerly of Paris, has opened up a very fine store on Post street, in the Parrott Building, near the site of Holbrow's former store. The store is very artistically decorated with ferns, palms, etc.

Joseph Carbone of California violet fame, is seriously ill at his home in Ocean View.

Joseph Jacquemet of 4th street is also seriously ill at the French Hospital.

Shipping trade has not been so good as a few weeks ago, the hot weather making it impossible to ship with safety.

Redwood City is to have a flower show on the 1st and 2nd of November. Several prizes are offered for competition.

At John H. Sievers' the chrysanthemums as usual are grand, especially the Lippincotts and Philadelphia. The seedling carnations have turned out satisfactorily, and some of the new ones will be shortly heard of. Great credit is due the foreman of this place, Mr. Carrol Kruger, for the fine condition of the stock.

METEOR.

## Muscatine, Iowa.

The florist and seed business of the late C. Kranz has been taken charge of by his sons, Geo. J. and Emil E., and will continue under the firm name of C. Kranz's Sons. The new firm will greatly increase the business by adding two more houses 100x20, one for roses and one for carnations; this will make them a total of eight large houses.

Trade here so far has been very bright especially on cut roses, carnation, and 'mums. The business of Henry Lauer, deceased, has been taken charge of by Frank Braun.

## Des Moines, Iowa.

Peter Lambert has built a show house about 60x18.

W. L. Morris rebuilt two houses, each 18x116 for roses, and one new house 22x116 for chrysanthemums.

Business is picking up somewhat in this section. Chrysanthemums are the popular flower now, but we find carnations growing in popularity all the time. Indications are good for an increase over last year's business. W. L. M.

## 100 Fine Rex Begonias,

in 4 and 5-inch pots. Will trade for SWORD FERNS and ADIANTUMS.

J. E. YEATS, Champaign, Ill.

## A SUPERB STOCK

OF

KENTIAS  
ARECAS  
LATANIAS  
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PANDANUS

AND OTHER

## Decorative Plants.

Come and see for yourself.

ROBERT CRAIG,

49th and Market Street,

PHILADELPHIA, PA.

## Stock Plants "Mums"

ORDER NOW.

Major Bonnaffon, Pres. W. R. Smith, The Queen, Harry May, Maud Dean, Harry Balsley, Mrs. Jerome Jones, Mrs. E. G. Hill, Hicks Arnold, etc. 20c each; \$2 per dozen. Ivory, Puritan, Minnie Wanamaker, Domination, Mrs. Robt Craig, Libbie Allen, Kioto, E. G. Hill, Mrs. L. C. Madeira, Wm. H. Lincoln, Maria Simpson, Lillian Bird, Cullingfordii, O. P. Bassett, etc. 10c each; \$1.00 per dozen.

Collection of 25 for \$2.50. Only cash orders booked.

D. WM. BRAINARD, FLORIST,  
Thompsonville, Conn.

OUR ANNUAL  
CHRYSANthemum  
NUMBER will be issued

Next Week. . . .

SEND ADS. QUICK.

CATALOGUE PRINTING.  
ELECTROTYPING.

Done with expert ability for Florists,  
Nurserymen, Seedsmen. Write to

J. Horace McFarland Co.  
HARRISBURG, PA.

## Grevillea Robusta.

Strong, 3-inch.....per 100, \$4.00  
PROBST BROS. FLORAL CO.,  
1017 Broadway, KANSAS CITY, MO.

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

Horticultural  
Manure

contains more plant-food in *one hundred pounds* than is contained in *one ton* of any natural manure.

## Liquid Manure

made from it is cleaner, cheaper and better than from any other source.

In 10, 25, 50 and 100 lb. packages for florists' use. Write for trade prices and pamphlet.

ROBT. L. MERWIN &amp; CO., 88 Wall St., N. Y.

CLEMATIS, large fl'g, best kinds,	doz. per 100
PÆONIES, fine Ass't, named.....	1 25 8.00
POET'S NARCISSUS, double	
white, large stock.....	.75
SMILAX, 2½-in., fine plants.....	1.50
DOWNING GOOSEBERRIES, best gro'n, 2.50	

F. A. BALLER, Bloomington, Ill.  
Mention American Florist.

## LEMON OIL INSECTICIDE,

Used now by the leading Florists.

75c. per quart; \$1.25 per ½ gallon; \$2.00 per gal-  
lon; \$9.00 for 5 gallons.

HENRY F. MICHELL,  
SEEDSMAN.

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## PANSIES.

THE JENNINGS STRAIN OF FINEST  
AMERICAN CROWN PANSIES.

Small plants by mail 60c per 100; express \$5 per 1000.  
Seed of above strain \$1.00 per pkt. of 250 seeds. Cash  
with order. E. B. JENNINGS, Pansy Grower,  
Lock Box 254. Southport, Conn.

# Grand Chrysanthemum and Flower Show

Under the Management of the New York Florists' Club, and in combination  
with the Stock and Farm Show of the Live Stock  
Society of America.

## MADISON SQUARE GARDEN, November 25th to 30th, 1895.

FOR PREMIUM LISTS AND FULL INFORMATION, ADDRESS

**JAS. I. DONLAN, Manager,**  
care of JOHN YOUNG, 51 West 28th Street, NEW YORK CITY.

## ORCHIDS! ORCHIDS! ORCHIDS!

Peace having been once more re-established in Colombia, Guillermo Kalbreyer can again supply the following Orchids at the undermentioned prices:

	PER 1000
<b>Odontoglossum Crispum</b> , best broad-petaled variety.....	\$200 00
" <b>luteo-purpureum</b> .....	180 00
" <b>Cuspidatum platiglossum</b> .....	180 00
<b>Pilumna fragrans nobilis</b> .....	180.00
<b>Cattleya Trianae</b> , best variety.....	\$35.00 per case
" <b>Schroederii</b> , best variety.....	40 00
" <b>Sanderiana</b> , best variety.....	45.00
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The cases measure about 20 by 34 inches and contain 50 to 60 good, strong plants of Cattleya, of Odontoglossum crispum 250, and of the other Orchids 180 good strong (pieces) plants.

The best time for shipment are the months of January, March, June and August. Small lots, less than four cases February and March.

If four or more cases of one variety are ordered at one time a discount 10% will be allowed.

**CONDITIONS.** All plants are packed in the best method with the greatest care and delivered to steamer in good order at buyer's risk and expense from port of shipment. In no case will the shipper be responsible for condition of plants upon arrival. All consignments must be paid for on arrival to **Messrs. Thiele & Quack, No. 7 Bridge Street, New York**, who will forward to purchaser.

EARLY ORDERS INVITED.

Cable Address:  
FLORA BOGOTA.

**G. KALBREYER,**  
LA FLORA, BOGOTA, REPUBLICA DE COLOMBIA.

When writing mention American Florist.

### PALMS.

150,000 of all the leading varieties.

### FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**  
1708 N. Halsted St., CHICAGO.  
Mention American Florist.

Our Annual  
**CHRYSANTHEMUM**  
NUMBER  
will be issued  
NEXT WEEK.  
SEND ADVS. QUICK.

### THE WHITE CANNA CAN NOW BE SEEN

In its full glory, notwithstanding the severe drought, at our Mr. Wintzer's farm at West Grove, Pa. Also the **NEW PURE ROSE, PURE PINK, PURE YELLOW**, and other remarkable Cannas that will be offered by us for the first time this season. The **White Myrosma** also in full bloom now. The **New Golden Cosmos**, The **Crimson Spiraea**, **THE BLUE SPIRÆAS**, **Tecoma Smithii**, **Solanum Rantonnetti**, and other Novelties in Plants.

Headquarters also for The Strawberry Raspberry, The Raspberry Blackberry, The Mayberry, Stanley Raspberry.  
**ROSES.** **Crimson Rambler**, \$6.00 to \$15.00 per 100. **Magna Charta**, 2 to 3 feet, \$6.00 per 100. **Tennessee Belle**, 4 to 5 feet, \$6.00 per 100. **Baltimore Belle**, 4 to 5 feet, \$6.00 per 100. **Meteor**, 1 to 2 feet, \$6.00 per 100. **CAROLINE TESTOUT**, finest plants in the country, \$10.00 per 100. Not less than 100 at these prices.  
**Black Callas**, \$6.00 and \$8.00. **Spotted Callas**, \$3.00 and \$5.00. **Purple Callas**, \$3.00 per 100. **Little Cems**, \$5.00 per 100.

Send for Catalogue of Novelties in Plants. Jardinieres and Flower Pots for the trade.

**A. BLANC & CO., 314 & 316 N. 11th Street, Philadelphia, Pa.**

### EARLIEST LARGE FLOWERING CHRYSANTHEMUMS

#### MARQUIS DE MONTMORT,

Much in the way of Viviani-Morel. Ready to cut Sept. 29th, 1895. Stock plants 50 cts. each; \$3.00 per dozen

#### MERRY MONARCH,

Earliest large white, cut on October 9th. Best early white to date. Price, 50 cts. each; \$5.00 per dozen.

**NEMESIS**, MISS M. M. JOHNSON, J. H. TROY, PARKER, Jr., 50 cents each; \$5.00 per dozen. **MARION HENDERSON**, **MAJOR BONNAFFON**, **MADAME F. BERGMANN**, **YELLOW QUEEN**, and all the staple varieties, 25 cents each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

**DAILLEDOUZE BROTHERS, Flatbush, N. Y.**

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

Please mention the American Florist every time you write any of the advertisers on this page.

## News Notes.

WALNUT, KAN.—Frank Loomis, formerly in business here as a florist, has now retired.

ELLIS, MASS.—Fisher & Aird have dissolved partnership. The business will be continued by Peter Fisher.

OSKALOOSA, IA.—A chrysanthemum show was held here November 7 to 9 for the benefit of the M. E. church.

MATTOON, ILL.—A chrysanthemum show will be held here November 12 to 14 for the benefit of the public library.

JACKSON, GA.—Wm. I. Wagner has built this year 1,000 feet of additional glass. He is doing a general florist business, and has fruit nurseries.

BROOKLYN, N. Y.—H. Ericksen & Co. announce a free chrysanthemum show at their greenhouses on Maspeth avenue, beginning November 3.

WOODFORDS, ME.—C. S. Goddard has just put in a new boiler, to replace the flues formerly used. He now has two houses 208x20, and one 50x18.

WINFIELD, KAS.—M. E. Eddy recently suffered loss of glass by hail. E. H. Gilbert expects to add a seed department to his business, and reports trade good.

COLUMBIA, MO.—Prof. John C. Whitten and Miss Nora Todd were married October 31. The groom is professor of horticulture at the Missouri State University.

ZANESVILLE, O.—John D. Imlay made a special display of chrysanthemums, palms, ferns and decorative plants at his new store and conservatory, 54 North 5th street, November 6 to 9.

GIBSON CITY, ILL.—Swan Peterson has added a new house 15x100 which is filled with fine healthy violets. He now has about 14,000 feet of glass devoted mostly to carnations and violets.

MARRIED.—At the First Church of Christ, Sterling Place, Brooklyn, N. Y., on Thursday, October 31, by the Rev. F. W. Troy, Miss M. M. Wylie of Brooklyn to J. Harry Troy of Short Hills, N. J.

JOHNSTOWN, PA.—Andrew Akers has withdrawn from the firm of A. Akers & Co. and has built at Roxbury three houses 10x85, with a potting shed 12x30. The plant is heated by steam.

PRATT, KANS.—H. H. Cummings is moving his nursery business from this place to Cleo Springs, Okla., where he will admit a partner, and the firm name will be Cummings & Bogardus. Business here is very dull, the florists' trade being literally nothing.

NORRIDGEWOCK, ME.—F. G. Danforth has added one new house this fall for palms and ferns, making four houses in all, heated by steam. He has one house full of roses; Brides, Perles, Mermets and Woottons are the kinds mostly grown. He is giving the Belle Siebrecht a trial, also several others. Carnations are grown in quite large quantities; there are between six and seven thousand plants now in full bloom. On account of the extreme dry weather the water supply has been short, and a new pipe of 2,000 feet (1¼ inch) has been added, giving a good supply.

Always mention the American Florist when writing to advertisers.



## HE WORE A WORRIED LOOK. WHY?

Bought elsewhere and paid more for the following items:

LILY OF VALLEY, fine pips, extra grown, 1000 \$9.00.  
SPIRAEA JAPONICA, fine for forcing, 100 \$3.50.  
MUSHROOM SPAWN, fresh importation, lb. 10c; 100 \$8.  
CLAY'S FERTILIZER, imported article, bag 56 lbs. \$3.50.  
GISHURST COMPOUND, for red spider, lb. 40c; 3 lbs. \$1.

**WM. ELLIOTT & SONS,**  
**New York.**



## Wisconsin Flower Exchange, CHRYSANTHEMUM Plants and Blooms.

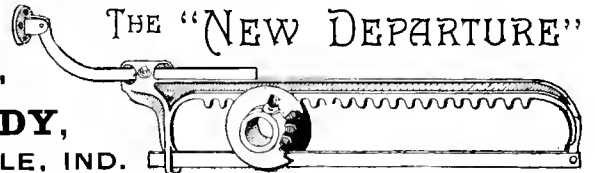
We have just received a large consignment of  
**JAPAN STOCK, Lilies, Ferns, Bamboos, Etc.**  
A fine lot of Auratum, Speciosum and Longiflorum.

We will be Headquarters for **Chrysanthemum Stock Plants.**  
P. O. Box 87. **MILWAUKEE, WIS.**

SEE WHAT PEOPLE SAY ABOUT . . . . .  
or MEAT SAW

**Ventilating Appliance.**

**J. D. CARMODY,**  
**EVANSVILLE, IND.**



DEAR SIR:—The apparatus is up and works fine. I am well pleased with it. Enclosed find check.  
Yours truly, W. V. DURYEE, Mattituck, N. Y.

## HOT BED SASH.

VENTILATING SASH. ALL SIZES TO ORDER.

**FINN, COLE & CO., 8 HOWARD ST., N. Y. CITY.**

## BRIGHT GREEN AND BRONZE GALAX LEAVES.

Both colors now in fine condition.

WHOLESALE FLORISTS GENERALLY.  
or write for prices and free samples to

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LINVILLE, Mitchell Co., N. C.

## OUR ANNUAL Chrysanthemum Number

WILL BE ISSUED

**Next Week.**

**D. H. ROBERTS,**  
132 & 134 South Fifth Ave., NEW YORK.  
**NATURAL GAS MADE GLASS,**  
for Rose Houses, Conservatories, Etc., Etc.

**GLASS,** ROCK BOTTOM PRICES. Send for Estimate. Satisfaction guaranteed.  
**REED GLASS CO.,**  
102 South 5th Avenue, NEW YORK CITY.

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We carry a large stock of regular size, 3x6 ft. It will pay you to send for our prices

**H. BAYERSDORFER & CO.,**  
WHOLESALE  
**FLORISTS' SUPPLIES ONLY,**  
58 N. 4th Street,  
PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

## M. RICE & CO., Florists' Supplies.

23 & 25 N. 4th St., PHILADELPHIA, PA.

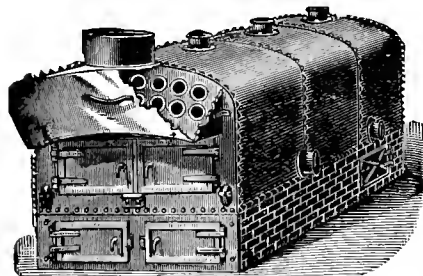
Send for Catalogue.  
Mention American Florist.

**John Conley & Son,**  
Manufacturers of  
**TIN FOIL**  
2 AND 4 DOMINICK STREET,  
New York.



## Kroeschell Bros. Co. IMPROVED Greenhouse : Boiler,

41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

Mention American Florist.



Every florist, market gardener, owner of lawn, grass plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island. Only 29 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill. "The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass. Mention American Florist

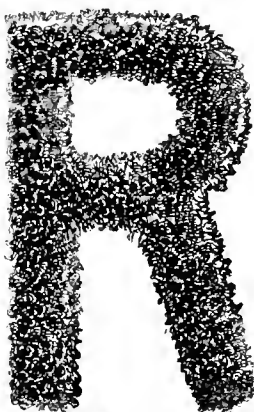
## DEATH TO INSECTS Rose Leaf

EXTRACT OF TOBACCO.

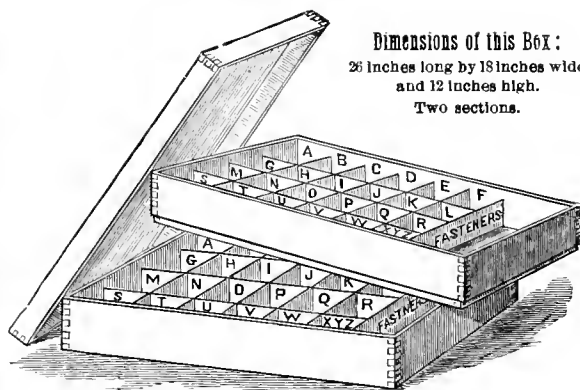
PRICE REDUCED  
5 Gallons for \$5  
Louisville Spirit Cured Tobacco Co.,  
LOUISVILLE, KY.

## Our Annual CHRYSANTHEMUM NUMBER

will be issued  
NEXT WEEK.  
Send Advs. quick.



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.



Dimensions of this Box:

26 inches long by 18 inches wide  
and 12 inches high.

Two sections.

## BOSTON FLORIST LETTER CO.

Manufacture the Best Letters in the Market.

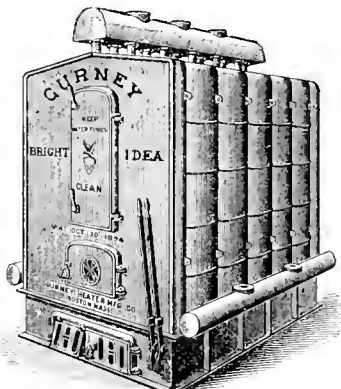
Sizes 1½-in. and 2-in. 2.00 per 100. Patent  
fastener with each letter.

OUR NEW SCRIPT LETTER, \$4.00 per 100.

N. F. MCCARTHY, 13 GREEN ST.,  
Treas. & Mangr. Boston, Mass.  
Office, 34 Hawley Street.

We have a new FASTENER which we consider  
a decided success. Any customers having old style  
fasteners which they wish to exchange, can do so  
without additional cost by writing us.

These Letters are handled by all the Wholesalers  
Boston.



Gurney "Bright Idea" Water Tube Heater.  
(For Hot Water.)

## Gurney Hot Water Heaters AND Steam Boilers.

UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

ALWAYS EQUAL TO THE OCCASION.

Send for Greenhouse Catalogues.

GURNEY HEATER MAN'FG CO.,

163 Franklin Street (Cor. Congress),

BOSTON, MASS.

## Hot Bed and Ventilating Sashes

On Hand and Made to Order.

ALL SASHES FOR GREENHOUSES.

THEODORE P. JENKINS, 247 Canal Street, NEW YORK.

Mention American Florist.

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DESIGNS

1866.

MANUFACTURED BY

N. STEFFENS

335 EAST 21<sup>ST</sup> ST.

NEW YORK.

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rist when writing to advertisers.

WHEN writing to any of the advertisers  
on this page please mention the AMERI-  
CAN FLORIST.



## News Notes.

ROCKLAND, ME.—Mrs. A. C. Mather's new house is 80x11 instead of 7x11 as previously reported.

DES MOINES, IA.—The thirtieth annual meeting of the Iowa State Horticultural Society will be held in this city December 10 to 13.

TOPEKA, KANS.—F. Sachs has rented T. E. Keith & Co.'s greenhouses; he still keeps his own, but will grow nothing but vegetables in them. Keith & Co. have gone into the produce commission business.

DETROIT, MICH.—John Breitmeyer & Sons issued special invitations to a public view of their chrysanthemum display November 4 to 9. The printed matter was very neat, and included an engraved invitation card.

SMITH'S GROVE, KY.—Geo. B. Moulder is now completing a water lily house, size 20x60, tanks 2½ feet deep, walled and bottomed with brick and cement; house heated by hot water and complete with latest improvements.

CHARLES CITY, IOWA.—M. H. Wetherbee has rebuilt one house and added two more, also enlarged office and furnace room. Trade has been duller than usual this fall, but is expected to increase, as the prospects are encouraging.

GARNETT, KANS.—Mrs. M. C. Valette has closed her business as general florist. Mrs. R. G. Wing has built a small greenhouse on 7th avenue, and is doing a fair business. There is a prospect of a 50x10 foot house being added in the spring. N. J. Paxton has a fine nursery northeast of town, with office at his house on 6th avenue.

ATLANTA, GA.—It is announced that over 150 outside exhibitors will be represented at the Atlanta chrysanthemum show. The prizes, including the gold medals offered are valued at \$1,000. Those intending to exhibit should notify Manager Bradt at once. Plants must be in position by 9 a. m., November 12, and cut flowers should arrive by evening of November 12 or morning of November 13. Floral arrangements should arrive Wednesday night or early Thursday morning. Mr. H. L. Sunderbruch, of Cincinnati, will act as judge, assisted by two other competent florists.

## Jones, McDuffee & Stratton, Plant Pots and Pedestals

of all grades, sizes and values, direct from the best Potteries of England, France, Germany, China Japan and the U. S.

WHOLESALE AND RETAIL.  
120 Franklin St. cor. Federal, Boston, Mass.  
Mention American Florist.

## FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

P. O. Box 78.  
J. G. SWANN'S SONS, Minneapolis, Minn.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

# NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

## AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

## Standard Flower Pots.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

A FULL LINE OF BULB PANS.

## The Whilldin Pottery Company,

BRANCH WAREHOUSES: 713 to 719 Wharton Street, PHILADELPHIA, PA.  
Randolph Ave. and Union St., Jersey City, N. J.  
Jackson Ave. and Pearson St., Long Island City, N. Y.

## STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

## A. H. HEWS & CO., N. Cambridge, Mass.

## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

SYRACUSE POTTERY CO. OFFICE: 403 North Salina Street, SYRACUSE, N. Y.

## STANDARD FLOWER POTS. FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address

PITTSBURGH CLAY MFG. CO., New Brighton, Pa.

## WATER

For Your  
GREEN HOUSE,  
ROSE HOUSE,  
NURSERY,

Conservatory, Lawn,  
House, Garden, Stock  
or any other purpose.

Send for Illustrated Catalogue

OF THE

DE LAMATER-RIDER AND

DE LAMATER-ERICSSON

PUMPING

ENGINE.

Their operation is so simple and

safe that a child can run them. They

will pump water from shallow

streams or any kind of well. They

can be arranged for any kind of fuel.

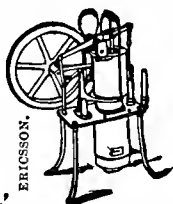
Capacity 1,600 to 30,000 gallons

of water a day, according to size.

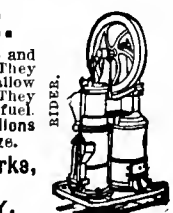
The De Lamater Iron Works,

467 West Broadway,

NEW YORK, N. Y.



HOT-AIR  
PUMPING  
ENGINE.



## J. N. STRUCK & BRO.

Manufacturers of

## • CYPRESS •

## Greenhouse Material,

LOUISVILLE, KY.

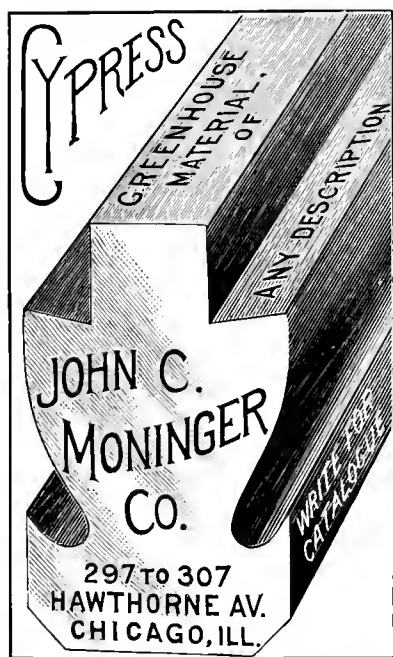
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See cut in next issue.

## HOLT HEATING COMPANY, Steam and Hot Water Boilers and RADIATORS.

PIPE FITTINGS & GENERAL HEATING APPARATUS.

90 Union Street,  
Telephone Haymarket No. 1076. BOSTON.



## Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rattlers, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

**LOCKLAND LUMBER CO.**  
LOCKLAND, O.

## H. M. HOOKER COMPANY,

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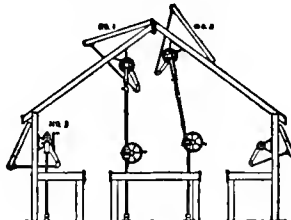
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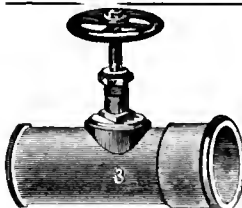
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WE HAVE RECEIVED from Breitmeyer & Sons, Detroit, Mich., a pink sport from chrysanthemum Ivory named Ivoire Rose. The color was quite deep at base, fading to sulphur at the top. Ivory seems growing rather changeable, we hear of a good many sports of this popular variety.

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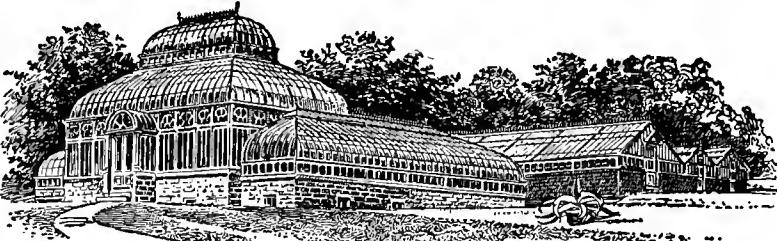
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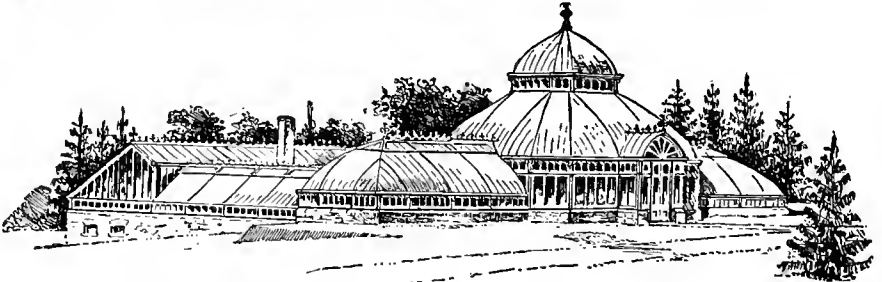
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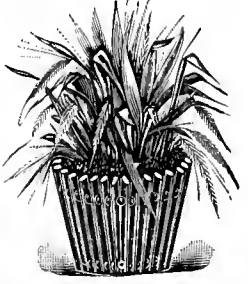


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Vol. XI.

CHICAGO AND NEW YORK, NOVEMBER 16, 1895.

No. 389

## THE AMERICAN FLORIST

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PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY,  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,  
P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

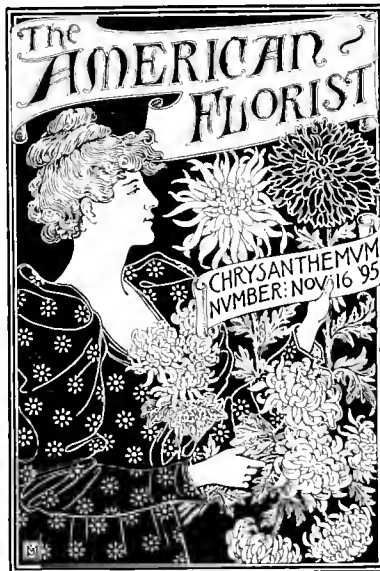
OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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## THE EXHIBITIONS.

Chicago.

[CONTINUED.]

On the fourth day (Friday) the chrysanthemum seedlings were exhibited. The display was interesting, but hardly so large as last year. A certificate of merit was awarded to E. Buettner, Park Ridge, for best distinctive white, the variety being a magnificent loosely built flower, Gretchen Buettner. This variety caused a marked sensation. Chas. W. Johnson, Mt. Greenwood, was highly commended for a white of fine size and substance; there was a very close contest between this and Gretchen Buettner. N. Smith & Son received certificate of merit for their new yellow Sun-clad, which was described last week among those submitted to the committee of the national society. F. Dorner & Son received certificate of merit for Mrs. W. C. Egan, a very high built flower, shading from pink at the base to sulphur at the apex, and which was shown before the chrysanthemum committee as No. 1, '94. The silver plate offered for best seedling in the tested classes was awarded to Dorner & Son for this variety. E. G. Hill & Co. exhibited a variety which was highly commended for an exhibition flower.

In the classes for first year seedlings E. G. Hill & Co. received first for bronze with a very odd hairy flower of a dead-leaf buff; second for pink, yellow, red and white. J. C. Vaughan received first for white and yellow; second for any other color. J. P. Ileim, Mt. Greenwood, Ill., received first for red, a very large and showy flower, that suggests itself as fine

for exhibition, first for pink, and second for bronze. Domoto Bros., Oakland, Cal., received first for any other color, an odd salmony buff.

The society awarded a certificate of merit to F. Dorner & Son for new carnation Mrs. Geo. M. Bradt, and the silver plate for the best of the tested seedlings went to the same exhibitors.

### TABLE DECORATIONS.

Four table decorations were shown; one, however, was not for competition. Prizes were awarded to W. J. Smyth, Mrs. Frank Fuller and Joseph Curran, in the order named. Mr. Smyth's table was a very simple arrangement of American Beauties. The centerpiece was a very tall trumpet vase of glass filled with these flowers; it stood upon a mirror, and had no other decoration at the base. A long stemmed flower was laid at each cover. The table receiving second prize was arranged by an amateur, a lady, but did not display any special originality. It was decorated with Beauties, in similar style to Mr. Smyth's. Mr. Curran's table was decorated with pink carnations and their own foliage. The fourth table, not for competition, was arranged by L. P. Walz and J. Curran, and was commended by the judges as the choicest of the four. It was a simple arrangement of Kaiserin roses with their own foliage, and was really charming. The centerpiece was a round plateau; around it were some trailing bunches of the same flowers lying flat upon the cloth. The creamy flowers, opening to show the golden tinge at the center, were very delicate and dainty with no deeper coloring than their own rich foliage, and had this been entered for competition both the judges and the popular verdict would have given it first prize.

### FLORAL ARRANGEMENTS.

On Saturday, the closing day, the special features were the baskets of roses and vases of chrysanthemums arranged for effect. The first prize for basket of roses was awarded to W. J. Smyth, his arrangement being composed of Brides with their own foliage. Second prize was awarded to Gunther Petri for a basket of Testout with Adiantum cuneatum. Third prize awarded to E. Wienhoeber & Co. for an arrangements of La France roses and Adiantum Farleyense.

In the chrysanthemum vases the first prize was awarded to Chas. H. Fisk for a tall vase of Mayflower; second to the Anthony Greenhouses for a large vase of Mrs. Jerome Jones, some of the flowers showing a distinct pink tinge, which at first suggested more than one variety being used third W. J. Smyth with a slender cut glass vase of Viviani-Morel. A fourth vase, not for competition, was very gracefully arranged with Mutual Friend, and was generally regarded as the most artistic of the group. It would often appear as if a more graceful arrangement of chrysanthem-



mum vases could be obtained by the use of some of the "weak-necked" varieties, which permit of a drooping effect at the sides. With the upright vases and straight stout-stemmed flowers there is bound to be an undesirable stiffness.

At the close of the show Mr. W. N. Rudd, the superintendent, was presented by the exhibitors with a very handsome locket in recognition of his untiring efforts in behalf of the society and exhibition.

A novelty which attracted a great deal of comment was the display Mr. Rawson made of bright blue and green-flowered chrysanthemums. The newspapers made a great deal of these strangely colored blossoms—so too did the public. It is but just to Mr. Rawson, however, to state that he himself did not lay the responsibility for these freaks upon unassisted nature.

#### PAID ADMISSIONS.

First day		924
Second day	(rain)	716
Third	"	686
Fourth	"	1,444
Fifth	"	1,376

Total 5,146

This is really an excellent showing in view of the fact that four days out of the five were as disagreeable as they well could be, a cold rain falling steadily day and night.

#### Providence, R. I.

The semi-centennial year chrysanthemum exhibit of the Rhode Island Horticultural Society was held at Infantry Hall Nov. 6-9. The affair was far beyond expectations in every particular. First prize for display of fifteen named plants, distinct varieties, was won by F. A. Fairbrother with an elegant display of plants. The principal varieties were G. W. Childs, Mutual Friend, Major Bonnaffon, Harvest Moon, Bride of Roses, W. H. Lincoln, The Queen, Col. Smith, Roger Williams, A. A. Adams and Clifton. Six incurved, first to Mrs. T. P. I. Goddard. Six reflexed, first to Mrs. F. Ballou. The best specimen incurved was Georgianna Pitcher, a beautiful plant with fine foliage; the best specimen reflexed Golden Gate, and the best specimen trained standard Mrs. James Comley. The best new variety was Gold Dust, a handsome thing produced by Mrs. T. P. I. Goddard. In plants grown to single stem and flower the principal varieties were Constellation, Vivian-Morel, Dorothy Toler, E. A. Walcott, Lady Playfair, President W. R. Smith, Ivorv, Domination, Pitcher & Manda, A. H. Fewkes, Minerva, Radiance, Louise D. Black and Golden Wedding.

On cut blooms the leading sorts were Vivian-Morel, Domination, John Shrimpton, Golden Gate, Golden Wedding, Niveus, M. Jeffords, H. McKay Twombly, President W. R. Smith, Philadelphia, Eda Prass and C. Lanier. F. Macrae's exhibit of six vases of ten blooms each was of special interest; the flowers were of immense size and perfect form. Vivian-Morel, Mrs. Maria Simpson, Inter Ocean, Major Bonnaffon, Mrs. Higinbotham and Mutual Friend were the varieties.

Prizes for single blooms were awarded for Mutual Friend, white; Vivian-Morel, pink; Major Bonnaffon, yellow. The best single bloom of any variety or color was Achilles. Nathan Smith & Son, of Adrian, Mich., exhibited their new seedling, Sun-clad.

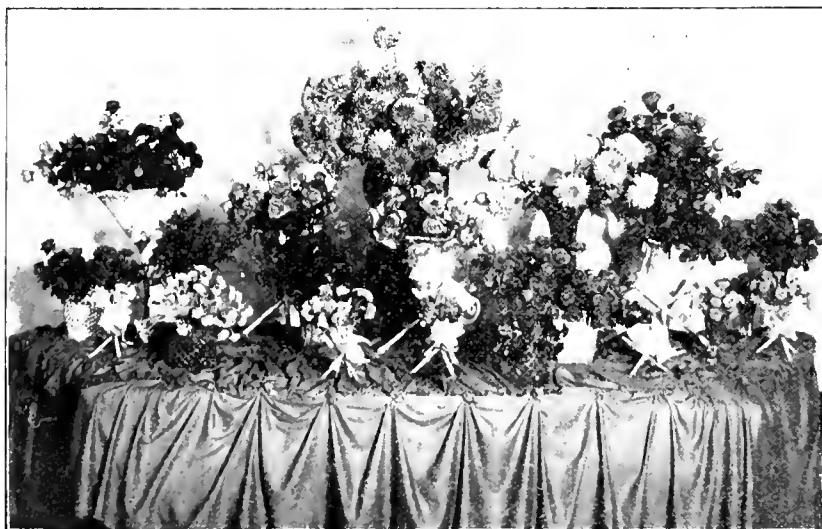
F. A. Fairbrother, commercial florist, received first for collection of forty pots. The



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MR. E. G. UIHLEIN'S DISPLAY OF CYPRIPEDIUMS.



C. A. SAMUELSON'S DISPLAY  
GLIMPSES OF THE CHICAGO SHOW.



GENERAL VIEW OF THE CHICAGO SHOW.

plants showed fine cultivation, the stems being long and straight with fine foliage and large flowers.

The Norwood Floral Company's display of carnations was very fine. The flowers were large and full with long and hard stems.

The collection of unnamed seedlings was greatly admired by the judges for their beautiful shades and fine forms. Varieties shown were Wm. Scott, Daybreak, Cartledge, Orange Blossom, Aurora, McGowan, Sweetbrier, Helen Keller, Portia, Silver Spray, Van Hout and North Star, the latter two being seedlings.

Judges were Wm. Edgar, Waverly, Mass.; Samuel Lewis, Providence, and Frank Buffington, Fall River. P.

#### New Bedford, Mass.

The eighth annual chrysanthemum show of the New Bedford Gardeners' and Florists' Club was held in the Adelphi Rink November 5, 6 and 7. The building was beautifully and tastefully decorated with evergreens. In the center of the hall was located the orchestra in a bower of palms and ferns, and the music added much to the pleasure of the occasion. The hall was well adapted for a chrysanthemum show, there being abundant space for the exhibitors to show their plants and flowers to the best advantage, and the visitors had plenty of room to examine them. The greatest interest was created by the offering by Mr. Frederick Grinnell of a silver cup valued at \$125, to be won two years out of three to become the personal property of any exhibitor. It was won by Dennis Shea with six well grown plants consisting of Mrs. W. P. Henszey, Major Bonnaillon, Jos. H. White, Roger Williams, Ada Spaulding and J. S. Fasset. John Driscoll was the other exhibitor.

The only exhibitor of twelve distinct varieties was John P. Rooney, who was the successful winner of the cup offered by the club last year. His employer, Frederick Grinnell, having offered another cup this year, did not wish Mr. Rooney to compete. His twelve plants were the best grown in the hall, and would have been a credit to the grower at any exhibition, each plant being a perfect specimen from five to seven feet through. His varieties were: Domination, Louis Bochner, Ada Spaulding, Major Bonnaillon, W. H. Lincoln, Mrs. W. P. Henszey, Puritan, Jos. H.

White, Surprise, Harvest Moon, Portia and Saturn.

The prizes for six Japanese brought out but two exhibits. John Driscoll, gardener to Mrs. Wm. J. Rotch, was first; James Garthley, gardener to H. H. Rogers, second. On three Japanese, John Driscoll first; Wm. Keith, gardener to T. M. Stetson, second. For one plant of any variety grown by an amateur, H. O'Leary first; R. Mitchell second. Onespecimen of any variety, James Garthley captured first with a well grown Wm. H. Lincoln; John Driscoll second. On one standard, Wm. Keith first; James Driscoll second. For twelve plants grown to single stem and flower, first prize was captured by Peter Murray, gardener to Walter P. Winsor, with well grown plants. James Garthley was a close second; his plants were dwarf, but flowers not as large and even as the former. Charles J. Wood, gardener to H. A. Holcomb, third.

The groups of chrysanthemums arranged for effect were very tastefully done, and added much attraction to the show. James Garthley and Fred Puckering were greatly handicapped in following the premium list literally. As it reads for a group of chrysanthemums arranged for effect occupying a space of sixty square feet, the judges awarded the prizes in the order given above, but the florist committee decided to admit the group which had other foliage, which easily gave Wm. Keith first prize, as palms and ferns added so much to the effect. The writer thinks that it is a great injustice to exhibitors to change the premium list after all is arranged and judges have made awards.

The orchid premiums brought out three competitors. Peter Murray had a very fine display, filling one hundred square feet very tastefully arranged with ferns. There were about two hundred blooms of Cattleya labiata and some very fine varieties of cypripediums, which with odontoglossums and oncidiums gave a most graceful effect. James Garthley was a very close second and C. J. Wood third with a fine lot. Other premiums awarded were: Six pots of violets, John Riley first; C. N. Riley second. Three pots of tea roses, Peter Murray first; James Garthley second.

In the cut flowers Peter Murray captured most of the premiums. He showed some very large blooms in all of the

classes. James Garthley, Wm. Keith, C. J. Wood, Wm. N. Craig and C. N. Riley all showed some very well grown blooms. On basket of chrysanthemums arranged with other foliage Peter Murray won first, James Garthley second, and A. B. Hathaway third. For a vase of chrysanthemums, not less than thirty blooms, Peter Murray was first; James Garthley second, Wm. Keith third. Josiah Eaton, Jr., showed some promising seedlings and a very fine vase of cut chrysanthemums not for competition. On tea roses Peter Murray, R. H. Woodhouse and James Garthley received prizes in order named. W. N. Craig won first honor for 36 pinks, and R. H. Woodhouse second.

Jahn Bros. filled up one end of the hall with some fine grown specimens of palms, ferns, rubbers, azaleas and small plants of various kinds suitable for the florist trade, which added much to the decoration of the hall. R. H. Woodhouse also showed some palms, chrysanthemums, pinks and roses, which were not for competition. The exhibition was altogether a credit to the Gardeners' and Florists' Club, and it showed New Bedford to have some very enthusiastic chrysanthemum growers. J. W.

#### Milwaukee.

The fifth annual show came to an end November 8. It was very harmoniously managed, being free from any friction in any department. The arrangement was different from any attempted before, and this radical change is regarded as an important element in its success. The display occupied three stories of the Ethical Society's building. The first floor was occupied by the cut chrysanthemums, three separate rooms being devoted to this class. Each room contained a separate division. There were also two rooms on this floor which were arranged complete by individual florists. The stairway and foyer were decorated, the orchestra being stationed on the upper floor. First came two rooms, one devoted to roses and one to carnations, then the auditorium, in which were pot plants of all kinds. This was arranged in an unusual manner. The center was vacant, but from either side almost to the center was a large hedge of palms, one of latanias and one of kentias. These hedges were 12 to 15 feet high, with two large latanias forming a gateway.

This divided the auditorium into two parts, in which were grouped the chrysanthemum plants, ferns, cyclamens, etc. Across the stage was a hedge of arecas, through whose leaves could be seen a large pink and white pagoda. Here there was a cafe, where refreshments were served, the orchestra being in a balcony at the other side. The balcony was left with seats for a resting place.

Still higher up where beautifully decorated rooms, which were generally pronounced the choicest part of the show. Many of the visitors declared that altogether it was more like a beautiful reception than a show, and a feeling of social friendliness prevailed throughout. The weather was very unfavorable; the first day was poorly attended, but the second day people came in the rain in great numbers, and the third day the show was crowded. The newspapers were loud in their praises.

Much of the exhibit was made for display, without any idea of the prize list, so many deserving exhibitors do not figure among the premiums. Mr. J. E. Matthewson of Sheboygan and Mr. J. A. Pettigrew of Milwaukee were the judges.

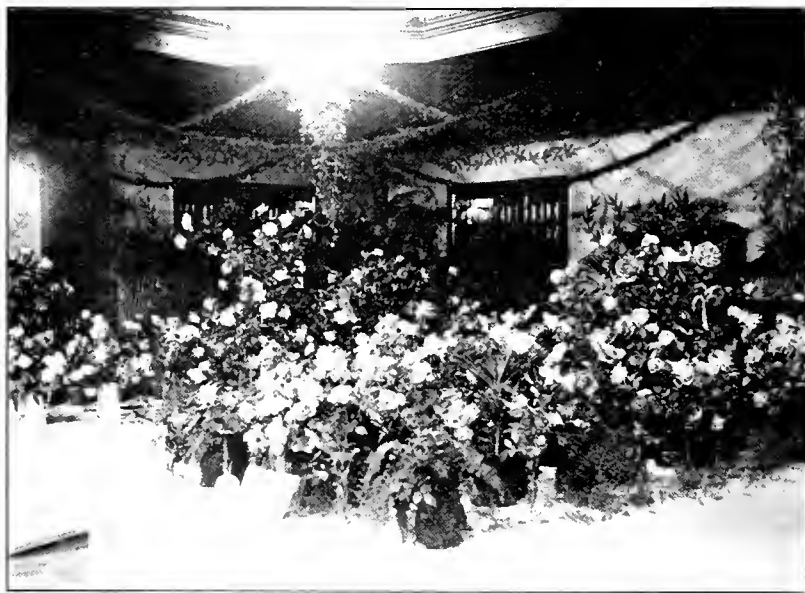
In roses H. Stapes, Hilde Bros. and Geo. Harrer received the principal prizes. The Rogers Park Floral Co. were deserving as to quality of stock, but their flowers came too late to compete. In carnations John Dunlap, Hancock & Son, F. Foster and Ben Gregory figured high. The Rogers Park Floral Co. were the only exhibitors showing Nancy Hanks. Hancock's vase of yellow attracted considerable attention, so did seedling No. 47, white with delicate pink tips. John Dunlap had a new variety which attracted considerable attention on account of its oddity. N. Zweifel's cyclamens were the finest, but a middleman had a fine lot. Mr. Kron had a beautiful lot of ferns.

Nathan Smith & Son showed cut blooms of their seedling chrysanthemum Sun-clad; the flower is as pretty as the name. Bassett & Washburn showed their white variety, Mrs. Kate B. Washburn, a sport from Mrs. E. G. Hill. While pretty the florists were not very favorably impressed. Mr. Chas. Zipnick's display of mignonette pleased everyone, but the greatest sensation was caused by a vase of violets displayed by Loeffler Bros. They were sweet, long stemmed, and as large as a 20 cent piece. A basket by W. G. Schucht and another by Whitnall were much admired. A number of novelties which should have been shown were too backward for display. Z.

#### West Hoboken, N. J.

The North Hudson County florists are very much alive. With a premium list amounting to \$1,500, a fine hall and entertaining music the success of their show was assured. Everybody went and took with him his sister, his cousin, his aunt, and his neighbor, and the hall was constantly filled with delighted throngs. The exhibition committee consisted of Chas. Dietz, E. Bankert, F. Lehnig, M. Mosenthin, E. Baumann, W. Hillebrecht, H. C. Steinhoff and H. Memde, and wherever the little blue ribbon badge of their office fluttered there the visitor found courteous attention. John Birnie too, upon whom rests the heavy responsibility of maintaining the Scottish dignity in this exclusively German community, was there to lend a hand where needed, and a very happy family it was all together.

The hall was elaborately festooned by Oscar Poehler with evergreen, and all the



ROSES AT THE INDIANAPOLIS SHOW.



NEW YELLOW CHRYSANTHEMUM SUN-CLAD.

arrangements were commendable, especially the low tables on which the exhibits were displayed. Too much credit cannot be given Max Mosenthin, who contributed many fine bay trees and groups of palms and showy decorative plants. Without him the exhibition would have been very deficient in this department and he well deserved the two handsome garden vases which were awarded to him. H. C. Steinhoff, Lehnig & Winnifeld, Kogge Bros., August Memde and P. Daly were also prominent contributors of decorative foliage plants. Lehnig & Winnifeld's group contained some handsome cyclamens, ficus and carnations in pots. Kogge Bros., crotons and P. Daly dracaenas. The only exhibits of chrysanthemum plants of any extent came from Ed. Bankert and H. C. Steinhoff.

On cut blooms John Birnie's special prize of \$5 for the biggest bloom in the show went to H. C. Steinhoff. There was nothing more beautiful than Hansen's pink Ivory sport mentioned in these columns recently, but the name he has be-

stowed upon it Miss Agnes Louise Dalskov, will be a terrible stumbling block in its future career. There were some very fine vases of twenty-five long stemmed blooms each from H. A. Steinhoff, Eugene Baumann and Chas. Heintz. Henry Baumann, Conrad Dietz, Chas. Dietz, Paul Fischer, M. Hansen, Aug. Memde, Aug. Denker, Wm. Hillebrecht and Kogge Bros. were also among the prominent exhibitors of cut flowers and the leading varieties were all shown in good form. In carnations Alaska, McGowan and Scott were well done by Leach Bros., and Lehnig & Winnifeld and H. C. Steinhoff also showed good blooms. Fine roses came from Kogge Bros. and Paul Fischer and Harrisii lilies from H. C. Steinhoff and R. Wittmann.

#### Worcester, Mass.

The twelfth annual chrysanthemum exhibition of the Worcester County Hort. Society was held at Horticultural Hall November 7, and was much more of a suc-





GENERAL VIEW OF THE INDIANAPOLIS SHOW.

cess than was generally predicted. The display of cut blooms was large, and was the best feature of the show; the blooms all showed good culture, and the best varieties were displayed; the vases were especially attractive.

As a whole the display of plants was rather disappointing, but as the number of classes and also the amount of premiums had been curtailed, this was a natural result. H. F. A. Lange was the largest exhibitor of cut blooms, and had some remarkably fine flowers, also making an attractive decoration on the stage. A vase of Vivian-Morel shown by Lange attracted a great deal of attention.

Fred A. Blake of Rochdale also made an extensive display of 'mums; the features of Mr. Blake's exhibit were a vase of Thos. Emerson and a remarkably well grown plant of H. L. Sunderbruch. The largest number of plants was shown by F. B. Madans, who also entered in most of the cut bloom classes. Thomas Howden, gardener to A. F. Whitin, exhibited twelve blooms that surpassed anything shown and won first premium in this class. M. F. Brierly and Mrs. H. M. Chase were the other principal exhibitors of 'mums.

Mrs. Thos. Ward had a splendid display of decorative plants, and H. F. A. Lange arranged a table with vases of roses and carnations that was very effective and added much to the exhibition. The weather was very warm and pleasant, and the attendance very encouraging. H. F. A. Lange was first for cut blooms in

six classes; F. A. Blake first for two cut flower and one plant class; M. F. Brierly first in two plant classes, and Thos. Howden first for 12 blooms. A number of gratuities were awarded for meritorious exhibits. A. H. L.

#### Indianapolis.

[CONTINUED.]

Among exhibits other than chrysanthemums the South Park Floral Co., New Castle, Ind., showed California violets and specimen Beauty roses. John Hartje displayed a fine collection of roses. Henry Rieman obtained first prize with a fine basket of Bonnaffons. Bertermann Bros. received first for cyclamens, second for carnation plants; first for display of 200 carnations, and for finest display arrangement of roses. W. W. Coles was second for rose display. J. S. Stuart's display of roses arrived too late to be entered for competition.

Hill & Co. received first prize for the ten largest blooms in the show; the variety was Golden Wedding, a grand sight.

Among the new varieties Mrs. W. C. Egan, an immense globular flower, pink shading to cream, shown by Dorner & Son, was regarded as a beautiful show bloom. John Breitmeyer & Son, Detroit, Mich., showed a sport from Ivory, a beautiful shade of pink, which will be a fine retailer.

Hill & Co. showed Sister Leo, a pure white, style of Vivian-Morel, which received a certificate; Lucania, white,

style of Queen, Quakeress, large white, and St. Laurent, a large golden yellow, which was recommended for a certificate.

H. Rieman's seedlings were Lucilla, globular incurved, deep pink with a silvery reverse, which was recommended for another year's trial; and No. 10, a fine dark red, style of Whitnall. Bassett & Washburn, Chicago, exhibited Kate B. Washburn, a fine white sport from Mrs. E. G. Hill. Nathan Smith & Son showed their fine yellow seedling Sun-clad, which received a certificate.

Other awards were as follows: For 50 Bonnaffon Dorner & Son first; Highland Park Floral Co. second. In plant classes H. Rieman was first for 6 plants, 6 varieties, specimen pink, specimen red, 25 single stem, 40 plants, 25 plants, yellow, 25 any other color; second for specimen yellow, 50 plants white; third for specimen, white. The same exhibitor received special prize for basket of chrysanthemums.

J. C. Vaughan, Chicago, received first for specimen yellow and specimen white; second for specimen pink. Hill & Co. were second for 6 plants, 6 varieties, for specimen white, for 25 plants in variety, for 25 plants white, 25 plants yellow, 25 any other color, third for specimen yellow, specimen pink, specimen red. John Hartje received third for 6 plants, 6 varieties. A. Wiegand was first for 25 plants, white, second for specimen red, and 40 plants, 4 varieties. E. Huckreide was first for 15 plants, for 50 plants, white, for 25 plants of four blooms, for 12 plants in 6-inch pots, second for 50 plants, yellow. Ber-



termann Bros. received second for 15 of 8 blooms.

In other classes Bertermann Bros. received special for 25 American Beauties, and for finest display of roses, carnation display, and special for basket of roses. W. W. Coles received special for vase of roses, first for vase of 50 roses, first for 25 Belle Siebrecht, and second for display of roses. F. Dorner & Son received first for a basket of carnations.

H. L. Sunderbruch, Cincinnati, furnished the orchid display; it was arranged by John Hartje in very attractive shape in front of the stage, finishing up the beautiful bank of foliage plant decoration.

The concerts were rendered by our best military band; the numbers were all well rendered, but the music does not come as harmoniously with the flowers as the soft music of a string orchestra. The afternoon music furnished by the different piano houses was a disappointment. Many visitors from other states as usual were in attendance, and were well pleased with quality of the exhibits.

The entertainment given by the local Florists' Club Wednesday evening was a success; everyone enjoyed a pleasant evening; songs by the Bald-headed Glee Club, selections by the orchestra, song solos by Wm. Langstaff and Coles and other well known singers.

Richard Witterstaetter of Cincinnati filled his position as judge admirably. A very enjoyable bowling match was given in his honor at the German Club House building Thursday evening by John Bertermann, former superintendent of our exhibitions.

The attendance for the first three nights and two afternoons was ahead of last year. The weather was very favorable. On the last day Mr. E. A. Nelson put on exhibition the finest Brides and Bridesmaids ever seen at our shows. Friday it rained, also Saturday, interfering greatly with a good substantial surplus. Not once have we had the good fortune of continued good weather during show time. Auction day was as interesting as usual; plants went cheap, while remaining cent blooms sold well. Results in a financial way are yet doubtful, but a small surplus will remain. The management of a show is not a snap.

Arrangements are on foot to get up a special premium list from the merchants at once. The excursion business boomed Wednesday and Thursday of show week. Chrysanthemums could be seen everywhere. W. B.

Baltimore.

[CONTINUED]

On entering the hall the first thing to strike the eye was a tall group of palms and decorative plants that took first, shown by Jno. Cook. This occupied the center of the floor, and the pot plants were arranged in groups around it. The back center of the stage was occupied by a mass of lofty arecas and kentias loaned by Mrs. M. J. Thomas. In front of it was the group of ferns shown by Jno. Cook that gained first, and on either side the great plants composing John Donn's and Jas. Simpson's competitive entries for the Garrick prize, twelve Japanese specimens, in which Donn took first with Mrs. A. J. Drexel, Good Gracious, Gloriosum, W. H. Lincoln, Jos. H. White, W. W. Lunt, Minnie Wanamaker, G. W. Childs, Hicks Arnold, Ada Spaulding, Marguerite Graham and Frank Thomson. Some idea of the quality of the plants exhibited can be formed by saying that a plant of G. W. Childs shown by Jas. Simpson



MANTEL DECORATION BY R. L. GRAHAM AT THE BALTIMORE SHOW



NEW WHITE CHRYSANTHEMUM GRETCHEN BUETTNER.

was a perfect mound four and a half feet high, and the same width, with fully one hundred and twenty flowers, and there were many others in the hall equally perfect in size and shape.

The collection of twelve single stem plants that took first were shown by Mr. C. M. Wagner; averaged three feet in height and were furnished with perfect leaves to the pots. The varieties were Queen, Judge Benedict, Lady Playfair, Silver Cloud, Marie Louise, Mand Dean, Georgiana Pitcher, a perfect globe of enormous, strongly incurved petals each at least a half inch broad and clear yellow; Sunrise, a loose mass of terra cotta petals, the under side of which were pale

yellow; Mrs. Higinbotham, a large, loose flower nine inches diameter, slightly incurved white petals with hair lines of pink, almost forming a pink stripe on each side; Jeannie Falconer, enormous clear yellow bloom, incurved petals underneath falling down to stem so as to make a complete globe; Helen Bloodgood, very similar to the last in shape.

Fisher & Ekas took first in twenty-five single stem, in which lot was The Livingston, a very large full flower, petals almost straight, terra cotta, with spots and dots of fawn all over the face of them as though the fawn color of the under side had struck through. Elizabeth Bisland, a large full Japanese, very much like



GENERAL VIEW OF THE BALTIMORE SHOW.

Golden Wedding except that it is not nearly so stout in the stem, and the center is a little more rounded. These gentlemen exhibited two new seedlings of their own, Baltimore Belle, an exceedingly compact, globular mass of narrow strongly incurved white petals, eight inches in diameter, borne on a robust stem clothed with broadly ovate leaves, with extra broad lobes; and Defender, a twelve-inch flower in shape like Vivand-Morel and borne on as stout a stem, but in color a shade darker than G. W. Childs, and with very deeply lobed narrow foliage. W. P. Binder also showed seedlings, Mrs. H. A. Parr, a clear incurved yellow; Capt. J. Ridgely, the tint and shape of Vivand-Morel, but flat, the petals standing out more stiffly; and Harry A. Parr, Jr., a charming bronze. These being all bush plants, did not show the size of flower they were capable of producing, but were all very promising. The vase of 12 whites that took first, shown by W. P. Binder, were Queens of the most perfect shape, and huge hemispheres. The vase of yellow that took first, by the same gentleman, was Elizabeth Bisland, of six to eight inches diameter, and showing the attractive shape and color of this novelty to perfection. This exhibitor took first for vase of pinks with twelve Pres. Smith, the delicate tinted blooms of which were supported upon stems as thick as a lead pencil, thickly clothed with heavy leaves.

Mr. P. B. Welsh took first for vase of bronze with Col. W. B. Smith, and for vase of red with Geo. W. Childs, both of which were exceptionally fine. Mr. Binder was awarded first for twenty-five cut blooms, twenty-five varieties, among which were remarkably fine flowers of Philadelphia, Kate Leech, a rose pink, the under petals of which were about twice as long as the others and hanging down, giving it a very distinct appearance; W.

H. Hurley and Mrs. H. McK. Twombly, an enormous incurved white.

The Quaker City Machine Co. prize was won by Fisher & Ekas, with a vase twenty four blooms, two each of Baltimore Belle, Zulinda, Mrs. Geo. McGee, Sunrise, Olympus, Eugene Dailedouze, Golden Wedding, Col. W. B. Smith, Niveus, Georgienne Bramhall, Geo. W. Childs, Vivand-Morel.

The carnation entries were all good, a pink seedling shown by Mr. C. Hess being exceptionally fine, four inches diameter, very full, stiff stem, clear pink, a cross between Daybreak and Grace Wilder. The whole space devoted to carnations was a dazzling display of color, in which it would take an expert specialist to select the best flowers.

The wedding designs were very pretty, three entries being made, a shoe of Ivory chrysanthemums filled with Bonnaffons and Bergmanns resting on a plateau of ivy leaves, a double heart of Meteor and Bride roses; and a very loosely and gracefully arranged cornucopia of Mrs. Whilldin chrysanthemums on an easel of Perle roses and Adiantum Farleyense interspersed with croton leaves. This last took first and was shown by E. A. Seidwitz. There were not nearly so many entries in design work as last year, but the entries were good. The basket that won first was a square handle basket three feet high filled with Queen and Asparagus plumosus, having a large cluster of Major Bonnaffon and a bow of broad yellow ribbon on one side of handle, the other side being covered with a spray of The Queen. This was shown by F. G. Burger, as was also the most striking of the funeral designs, a large standing cross of ivy leaves with loosely arranged white chrysanthemums around it. Another charming design was a wreath of white chrysanthemums, violets

and Adiantum Farleyense shown by President Graham. The premiums on funeral work were awarded by popular vote, but while the method adopted furnished amusement for the voters it furnished very dubious results.

The most remarkable thing in connection with the show was the lack of competition for the hundred dollar prize offered for table decoration, only one entry being made, this by Pres. Graham, a superbly set table decorated with Major Bonnaffon and Adiantum Farleyense. Owing to a mistake of the caterer a long table was provided, while Mr. Graham had prepared a centerpiece for a square one. Notwithstanding this the judges only allowed him second. The mantel decoration, the only entry, was by Mr. Graham too, and was about perfect, the left side being a group of slender arecas which overtopped the mantel, the fireplace filled with Adiantum cuneatum, the shelf with Adiantum Farleyense, a spray of Asparagus plumosus reaching naturally along the top and falling down on the right side of mirror. Georgienne Bramhall chrysanthemums were used in spray reaching from shelf to top on left, and smaller lot of Marie Louise on the left half as high. For some unaccountable reason these two exhibits, by far the most showy entered, were put in one of the ante-rooms, where it is safe to say at least one-half of the visitors never thought of going.

The display of roses was very good, particularly five vases containing La France, Bridesmaid, Bride, Mermet and Mme. Testout, sent for exhibition by Halliday Bros.

A very striking group of plants was brought in by C. M. Wagner late in the week, to show what could be done with single stem plants in 4-inch pots. The fourteen plants shown were perfect specimens, furnished to the pots with strong

leaves, and topped by flowers fully equal to most of the single stems shown in 6-inch pots. The lot included Mayflower, Inter-Ocean, Fred Walz, Latest Fad, Mrs. E. G. Walcott, Malmaison, Mrs. Higginbotham and Helen Bloodgood.

The vase that took the premium for odd forms shown by Fisher & Ekas, contained Robt. W. Gray, Talisman, Turban, Daisy, Rider Haggard, Santal's White, Judge Hoitt, Master of Ostrich Plumes, Enterprise, Mohegan, Enfant des deux Mondes, Cyclorama and Pandus; surely an odd enough collection to suit the most whimsical fancy.

As in previous shows, the single stem plants carried off the honors, and it may be questioned whether it would not be good policy to increase the number of classes of them, if not to offer also more liberal premiums.

The judges for Wednesday were N. T. Flitton, J. Halliday and Alex Scott; for Thursday, F. G. Burger, N. F. Flitton, Jno. Cook; Friday, Jas. Pentland, Wm. Ekas; Monday, W. Mott, C. M. Wagner, Jno. Donn. The great charm of the hall was the abundance of seats where weary patrons could rest themselves and look over the exhibition at leisure. The gallery that runs around three sides afforded great opportunities for little parties to get together and survey the crowds of people and plants while chatting cosily.

The later awards were as follows:

In carnation classes Weber & Sons were first for 100 blooms, any one variety; for 50 blooms, any one variety; 6 vases, 25 blooms each; 50 blooms white; second for 50 blooms red and 50 blooms pink; first for 50 blooms yellow and 50 blooms crimson. C. Hess was second for 100 blooms, and first for best seedling not in commerce. P. C. Erdman was third in four carnation classes. Cook Bros. were second for 50 blooms, any variety; first for 50 blooms red and 50 bloomspink. I. H. Moss was second for 6 vases and 50 blooms white; third for 50 blooms red. Lehr Bros. were third for 50 bloomspink.

In rose classes I. H. Moss was first for red, pink, yellow and white; Weber & Sons second in two classes, and C. Smith & Co. and C. Hess second and third for Perles.

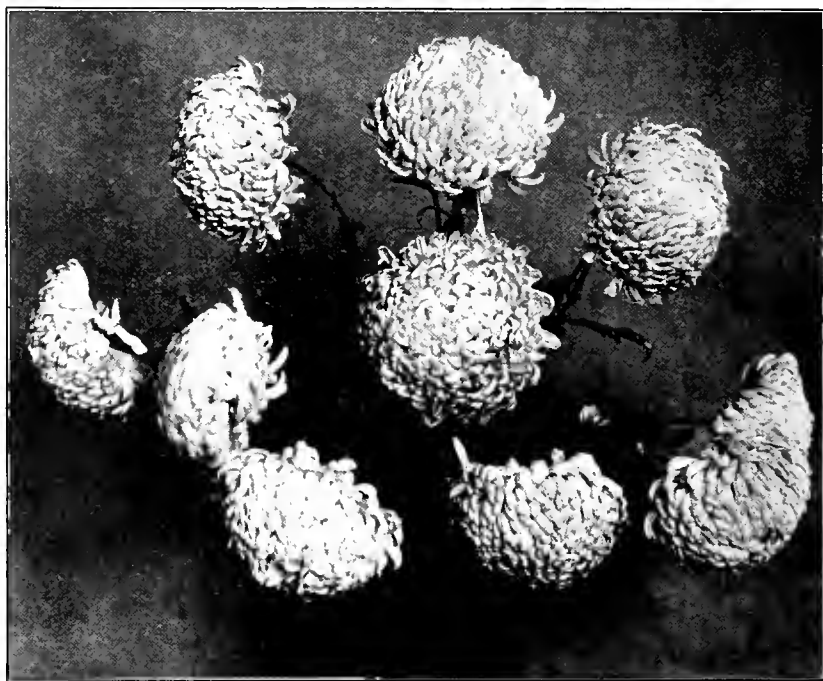
In jardinières filled for effect Fisher & Ekas were first, and E. A. Seidwitz second. F. G. Burger was first for basket and corsage bouquet. MACK.

Philadelphia.

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The chrysanthemum exhibition of 1895 is a thing of the past, closing last Saturday evening after a most successful week, the attendance, including all tickets received, being over 7,000.

Now that the show is over comparison can be made with those of previous years, and we feel safe in saying that for the general public the exhibition was as enjoyable as any that has preceded it. There was but one collection of well grown specimen plants, but this section of the exhibition has been steadily declining the past few years, and it would not surprise us if, excepting the new varieties, this collection of show plants would cease altogether. The collections of fine specimen blooms that can be entered by most of the commercial growers, selected from their regular stock, more than make up for their absence. In addition to these the private gardeners are also largely growing single blooms in lieu of the large and cumbersome plants. Would not a class composed of vases containing 25 blooms of a kind bring out a number of



NEW CHRYSANTHEMUM MRS. W. C. EGAN.



NEW WHITE CHRYSANTHEMUM KOHINOOR.

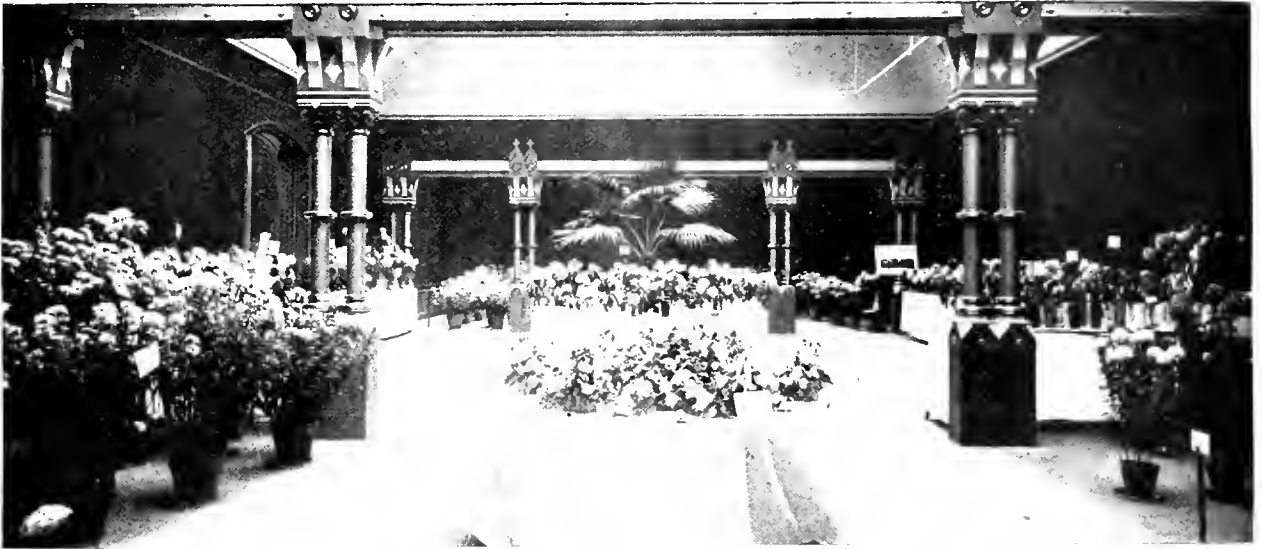
exhibits? Many growers could enter in this who have not sufficient good blooms of a kind for the vases of fifty.

Mr. Heacock's new chrysanthemum, which obtained a first class certificate from the National society under the name of Quaker City, took the silver medal of the society and a new name. It is now called Wm. Simpson, so as to be the honored variety that shall compete for a silver cup valued at \$100 at the exhibition in 1896. Mr. Simpson, now deceased, deposited this sum with the society to be used in purchasing a cup that should be offered for twenty-five blooms of a new kind that the judges thought good enough to bear his name. The committee having the matter in charge thought so much of Mr. Heacock's seedling that they prevailed on him to change the name, and

the contest for this prize next year should prove one of the most interesting features of the show, as the Wm. Simpson is certainly entitled to rank with the best up-to-date kinds. Another of the new ones that attracted considerable attention was E. G. Hill & Co.'s Mrs. Perrin, which received the first prize for a vase of fifty pink; it was surrounded frequently by an admiring throng.

The exhibits of roses were renewed on Thursday and did much to freshen the show; the rose tables are always surrounded by an admiring crowd. George Anderson won first prize for Kaiserins the second time, and all the flowers exhibited were strictly first class. There was also a renewal of the carnation display, and John Welsh Young came to the front as an exhibitor in this class, winning





VIEW IN THE NORTH GALLERY

FIRST PRIZE DINNER TABLE DECORATION AND DISPLAY OF ORCHIDS.  
GLIMPSES OF THE PHILADELPHIA SHOW.

three firsts for fifty blooms each of Day-break, Eldorado and Meteor. Messrs. Myers & Samtman received first for best seedling any color with Annie Lonsdale, their new white.

The orchid collections of Edwin Lonsdale and Dr. Furness occupied a room by themselves and attracted considerable attention, as orchids generally do. Dr. Furness' table was awarded third prize, and as there were but the two entries the doctor objected strenuously, and the committee finally gave him the second. In several other instances exhibits failed to get first honors, the committee exercising their discretion as to quality.

There were very few competitors in the florists' classes, there being but two entries for the mantel decoration and a like number for the decorated dinner table. The mantels were well trimmed, in fact quite elaborately, both using much the same flowers, which were white and yellow chrysanthemums and Bride roses. Palms and Farleyense were also used. J. Kift & Son and Hugh Graham were the exhibitors, the former firm receiving first prize. Hugh Graham and Pennock Bros. had the table decorations. Mr.

Graham won first with a very pretty and tasteful arrangement of odontoglossums, cattleyas and Philadelphia chrysanthemums. The orchids were in pots and all plunged in a depression in the center of the table, the spaces being filled with Farleyense. The chrysanthemums radiated from the center piece to near the plates, laying flat on the cloth and caught in loose clusters with ribbons having the names of the guests painted on in gold. The arrangement of the table was very graceful.

Pennock Bros. used a plateau of cattleyas and cyripediums with Farleyense for center, and in addition a number of crescents of Bride roses. Baskets of Bridesmaid roses were placed at the ladies' plates, and the table presented a very complete and finished though somewhat heavy appearance. There was quite a difference in the sizes of the tables, which were both round, that of Mr. Graham being one-fourth larger than the other. The judges, who were society ladies, thought the floral work was exquisite, but commented on the napery and other table furnishings, which they contended should have been more in

keeping with their elegant surroundings.

Quite a number of the offerings in the schedule for florists' work were not competed for. What is the reason for this apathy? The prizes were quite generous and the society had every reason to expect a much more extended show in this department.

The collections of vegetables were certainly fine, and the gentlemen offering the prizes, Messrs. H. A. Dreer, Robt. Buist, Jr., and H. F. Michell, are to be congratulated on the success of this department.

H. A. Dreer Company had a fine table of *Adiantum Farleyense* which attracted the visitors as much as the floral tables; it was noticeable too that this fern stood the heated air of the Academy admirably and looked almost as fresh on Saturday as when staged. Messrs. Faust and H. F. Michell made very creditable displays of their stock in trade. Although the atmosphere of the building seemed very hot and dry and an immense amount of gas was used in illumination carnations, roses and chrysanthemums kept much better than ever before.

The principal winners of prizes for plants and flowers were: Hugh Graham,



22 firsts, 9 seconds; Jos. Heacock, 9 firsts, 14 seconds and 2 thirds; Gordon Smirl, 9 first and 1 second; C. W. Cox, 10 firsts, 1 second; John Welsh Young, 6 firsts, 4 seconds and 1 third; J. McCleary, 6 firsts, 1 second, Robert Craig, 5 firsts, 6 seconds; George Anderson, 6 firsts; Charles F. Evans, 2 firsts, 4 seconds, 6 thirds; S. J. Bunting, 1 first and 4 seconds; J. N. May, 3 firsts; Westcott Bros., 2 firsts, 1 second; Pennock Bros., 1 first, 1 second.

Quite as good if not a better show could have been given this week, as all the good ones of last week are now in their prime. K.

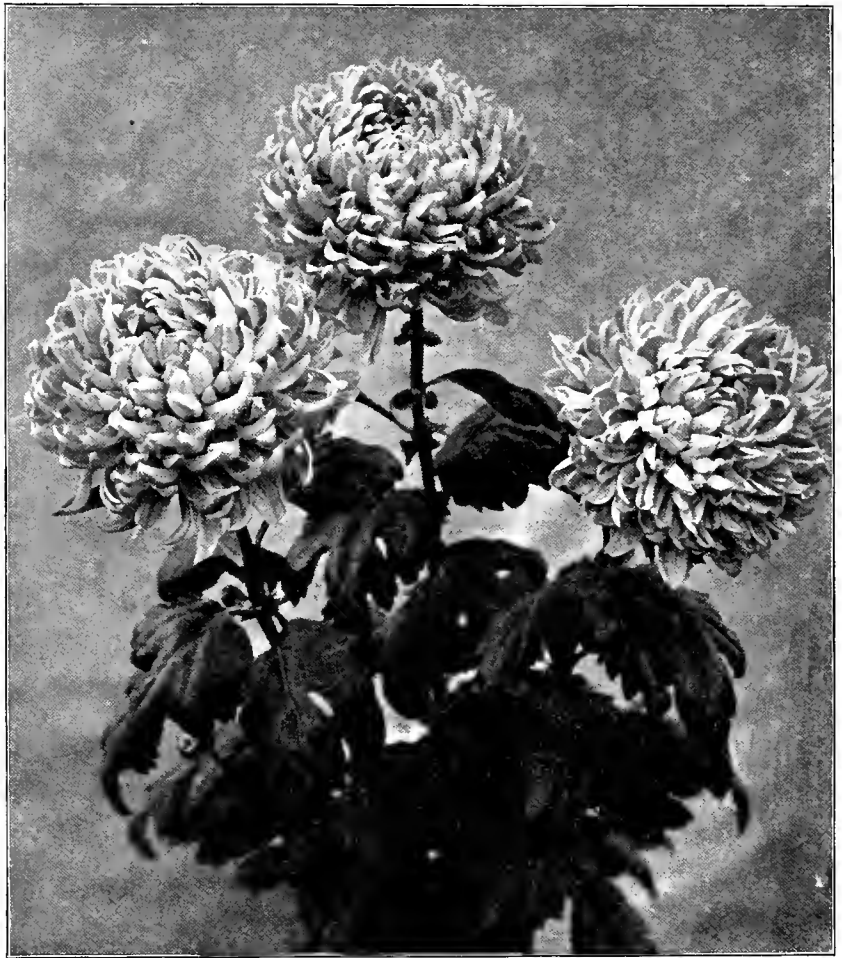
#### Poughkeepsie, N. Y.

The first annual chrysanthemum show of the Dutchess County Horticultural Society brought out probably one of the finest exhibitions of flowers and the keenest competition ever held at a first show. Poughkeepsie being the home of violet growing the competition in this class was very keen and close. The chrysanthemums also being very fine gave the judges all the work that they wanted to do to decide on the best. It is very gratifying to see so many special prizes given by the residents of Dutchess County and firms of New York, also the interest taken by the different gardeners on the Hudson, who sent so many palms and foliage plants to fill up the armory in which the show was held. Of the chrysanthemums shown being deserving of special mention were Golden Wedding, Vivand-Morel, Mayflower, Sunderbruch and A. H. Fewkes. A specimen plant of W. H. Lincoln was very fine.

Pitcher & Manda had some very well grown flowers of W. B. Dinsmore and Pitcher & Manda, and Siebrecht & Wadley a vase of Belle Siebrecht roses. Governor Morton's gardener's show of Beauties was very fine and carried one first and the special prize. Altogether this show does great credit to the Hudson River gardeners and florists. The judges were H. A. Siebrecht and J. W. Withers, New York; Sam Goldring, Albany.

Among the prizes awarded for pot plants James Blair, gardener to Mrs. Ogden Mills, received first for group of chrysanthemums covering 100 square feet; first for 6 blooms, white, 6 blooms any other color, for 8 vases; for 24 blooms, distinct varieties, 12 blooms, special for 12 blooms Golden Wedding; first for 12 blooms Mrs. Morgan rose; second for 25 blooms, for six blooms, pink, 6 blooms, yellow, 25 blooms arranged for effect; for 12 American Beauties, 12 Brides, and 12 any other variety. In plant classes the same exhibitor received certificate of merit for group of decorative plants.

First prize for white specimen plant went to W. C. Russell, gardener to C. F. Deitrich, who also received first for specimen, any other color; second for 6 blooms, white, for 6 blooms, any other color; first for 12 Bridesmaid roses, vase of red chrysanthemums. I. L. Powell, gardener to Samuel Thorne, received first for specimen plant, pink, specimen plant, yellow, 6 blooms, pink, 6 blooms, yellow; second for 12 blooms, distinct varieties. The same exhibitor received first for 12 Bride roses, for 12 any other variety, for 12 Bridesmaid, and for best chrysanthemum plant on exhibition. Chas. Dampier, gardener to F. R. Newbold, received second for group of chrysanthemums covering 100 square feet, for 12 plants, with over three and less than six flowers to a plant, for 6 plants, same class; second for 12 plants, single stem; first for



NEW CHRYSANTHEMUM MRS. PERRIN

specimen stove or greenhouse plant; first for 6 decorative plants: first for 6 ferns, for 3 lerns and for 6 orchids; first for dinner decoration, special for Cycas revoluta in fruit. David Gindra, gardener to Mrs. E. Bech, was first for 12 chrysanthemum plants; for group of decorative plants; second for specimen stove plant, and for 6 and 3 ferns, special for tree fern. J. Kennedy, gardener to Mrs. H. F. Davidson, was first for 6 plants, single stem, for 6 blooms, crimson, 25 blooms arranged for effect, 25 pink carnations, 25 red carnations. T. Harrison, gardener to Governor Morton, was first for 25 blooms, for 12 American Beauties, special for the same rose, and for group of decorative plants. A. McKenzie, gardener to W. S. Gurnee, was first for 12 blooms; second for 6 blooms, crimson, and 12 blooms, dark red; special for collection of chrysanthemum blooms. W. C. Kemper received first for best seedling, three blooms, and W. G. Gomersall, gardener to Winthrop Sargent, first for best seedling, one bloom. The latter exhibitor received second for 24 blooms, certificate for new yellow chrysanthemum, Wodenethe. Ernest Bennett, gardener to J. D. Wing, was second for 12 Bridesmaids, first for 12 Mermets.

Among exhibiting florists C. T. Barrett and De Voy & Son were first and second respectively for 100 violets, Wood Bros. second for 6 decorative plants, F. R. Piereson & Co. received certificate for group of palms and decorative plants; Geo. Saltford received certificate for new violet Mrs. J. J. Astor, and W. Saltford for collection of chrysanthemum blooms, Sie-

brecht & Wadley for vase of Belle Siebrecht roses. The Newburg Reed Co. received certificate for rustic seats, etc., and the Coldwell Lawn Mower Co. for lawn mowers. A number of interesting exhibits were made by amateurs not employing a gardener.

#### Newport, R. I.

The fall exhibition, which closed Saturday evening last, was most successful so far as the exhibits went, but as usual a failure financially. The society, having raised a part of the premiums by subscription, will be about able to meet the deficit.

Among the prizes awarded Thos. Beattie received first for specimen white, specimen yellow, specimen pink, dwarf crimson and dwarf bronze; second for dwarf any other color; silver medal for champion dwarf plant; first for 6 dwarf in 8-inch pots, for 15 in 6-inch pots, for 6 standards; and second for specimen standard. Alex. MacLellan was second in 6 of these classes, first for 6 dwarfs, any other color, and for specimen standard. In the class calling for best seedling two varieties were exhibited but no awards were made, as the flowers were not fully open.

In the groups of chrysanthemums, palms and ferns, to cover 144 square feet, A. S. Meikle was first; the same exhibitor was second for group covering 72 feet; third for specimen areca; second for kentia; second for other palm; and first for three ferns. Sibson Bros. were second for group covering 144 feet; first for specimen areca. M. Butler & Son were third



VIEW IN THE SOUTH GALLERY

ONE OF THE VEGETABLE DISPLAYS  
GLIMPSES OF THE PHILADELPHIA SHOW.

for the large group. C. D. Stark was first for group covering 72 feet; second for specimen areca; first for other palm.

In cut flower classes first for 20 distinct blooms was awarded to W. N. Craig, Taunton, Mass., who also received first for best 12 and third for vase of 12. A. MacLellan was first for vase of 25, and vase of 12. Sibson Bros. received second and third in cut flower classes. A. S. Meikle and Andrew Ramsey were first and second for dinner table decoration and basket of chrysanthemums. A special premium, the society's silver medal, was awarded to Chas. D. Stark for *Dendrobium Dearei*. First-class certificate of merit was awarded to Andrew S. Meikle for specimen palm *Phoenixophorium sechellarum*, and first-class certificate of merit to Charles D. Stark for a perfect specimen of *Thrinax elegans* in 12-inch pot.

In cut flowers a first-class certificate of merit went to John Allan for seedling carnation, salmon pink, flaked crimson, yet unnamed, and a first-class certificate of merit to James S. Cowles for canna Mrs. Fairman Rogers; this was never shown

to better advantage, and was much admired.

The prize for best collection of vegetables, consisting of 12 dishes, was awarded to Mr. Otto Ehrhardt, as also was the special prize of \$5 for best three heads of celery. *American Gardening* premium of 1 year's subscription to that journal was offered to the most unsuccessful amateur exhibitor, and was awarded to Miss Ridia Schrier for a chrysanthemum plant the bud of which did not show color.

In chrysanthemums the winning varieties were as follows: Specimen bush plants, 12-inch pots, white, Puritan; specimen yellow, Golden Wedding; best pink, Tommy Jones; specimen crimson, Geo. W. Childs; best bronze, Col. Wm. B. Smith; color other than those named above, Puritan; best plant on exhibition, any variety, size of pot not limited, Vivand-Morel, awarded society's silver medal.

The six winning standards were Mrs. Geo. M. Pullman, Joey Hill, Eda Prass, Col. Wm. B. Smith, A. G. Ramsey, Lizzie Cartledge; one specimen standard, Marie Louise; six specimen bush plants, 8-inch

pots, Mutual Friend, H. L. Sunderbruch, L. Canning, Eda Prass, A. G. Ramsey, Robt. Bottomley: fifteen plants, 6-inch pots, one flower each, Louis Boehmer, L. Canning, Puritan, Mrs. H. F. Spaulding, The Queen, Lizzie Cartledge, Robt. Bottomley, Col. W. B. Smith, Vivand-Morel, Mrs. Robt. Craig, Eda Prass, Stanstead White, Silver Cloud, Ada Spaulding, Mrs. Geo. West.

In cut flowers the winning 20 blooms were Silver Cloud, Erminilda, Nivens, Mayflower, The Queen, Mrs. Jerome Jones, Major Bonaffon, Mrs. Geo. West, Helen Bloodgood, Mrs. Craig Lippincott, Vivand-Morel, Mlle. Therese Key, Mutual Friend, Philadelphia, Eugene Dailedouze, Minnie Wanamaker, Mrs. Geo. M. Pullman, Col. W. B. Smith, Marguerite Jeffords. The 12 cut blooms were Mrs. Jerome Jones, Mrs. Geo. West, A. H. Fewkes, Geo. W. Childs, The Queen, Dean Hole, Nivens, Mutual Friend, Major Bonaffon, Vivand-Morel, Mrs. Higginbotham, Marguerite Jeffords. The vase of 12 blooms, one variety, was Minerva, and winning vase of 25, the same. The rules of the society were enforced, and so

far I have had no protests made against the decision of the judges.

ALEX. MACLELLAN.

#### Orange, N. J.

The first fall exhibition of the New Jersey Horticultural Society at the Athletic Club Rooms was unique in that, with the exception of one special prize, no money premiums were offered. The schedule contained over one hundred classes and certificates of merit were the trophies competed for. An attractive souvenir book was issued containing instructive contributions on plant culture from various members of the society, and well filled with advertisements by the local business houses. Tickets were placed at 50 cents, but the school children were admitted free during the day. The result was most gratifying and the innovation is cordially recommended for adoption in localities where exhibition interest has suffered through lack of money to guarantee the payment of reasonable cash premiums.

The Orange exhibition was not a chrysanthemum show, although chrysanthemums were staged in quantity sufficient to give necessary color effect. The arrangement was under the management of Mr. W. A. Manda, whose abilities in this direction have been well demonstrated in the past, and who on this occasion, aided by the enthusiastic support of the many skilled private and commercial growers in the neighborhood, succeeded in setting before the visitors a scene of rare beauty and a triumph of skillful arrangement. All around the walls and up on the arches a splendid decorative effect was produced by the use of oak branches with foliage, cedar trees and pine boughs, forming a fine background for the exhibits. The main area of the floor was occupied by groups of foliage plants, stately specimen palms and tables of orchids.

The \$50 sweepstake prize offered by Mr. Manda for the finest and most interesting exhibit of greenhouse plants was divided by the judges between two competitors, Geo. Purdue and Edw. Thomas, gardener to H. Graves. Mr. Purdue's group was an instructive lesson in the art of color blending and producing the greatest effect with the smallest amount of material, and was especially commended by the judges for "chaste and elegant arrangement." Mr. Graves' exhibit consisted mainly of orchids in bloom, "striking effect" being, in the judges' opinion, its special claim.

Among the large groups of stove and greenhouse plants that of D. Kindsgrab was noticeable for well grown crotons, ferns and palms, and taste in arrangement. The same exhibitor showed numerous specimen adiantums and a noble *Cycas circinalis*. Handsome groups covering one hundred square feet each were also shown by the United States Nurseries, W. A. Manda, Edward Sherry and Robt. McArthur, and groups of lesser extent by M. McRorie, gardener to Dr. Mandeville, F. W. Massmann, Richard Sherry, Peter Duff and others. A central attraction was a stately specimen of *Phœnicophorium sechellarum* twenty feet in height, from Malcolm McRorie; also a very large and perfect *Dion spinulosum* from Edward Thomas and several handsome cycads from Rev. H. P. Fleming.

Two groups of chrysanthemum plants nicely arranged with border of ferns came from Richard Sherry and P. Hayes, also two from Geo. Smith, gardener to Sam'l Colgate, the blooms on the latter being particularly large. On plants grown to

single stem and flower Peter Duff, gardener to Crosby Brown, made a grand exhibit and a pair of trained specimens of W. H. Lincoln from the same exhibitor were very handsome. Pitcher & Manda showed attractive groups of hardy pompons and standard and bush plants.

The cut blooms from Peter Duff were superb, Niveus, Vivand-Morel, Harry May, Mrs. Geo. West and Minerva especially. He was first on almost all the classes. Pitcher & Manda, Geo. Smith, D. Kindsgrab and J. N. May were also very successful in the cut flower classes. On three blooms of a seedling never before exhibited the awards were: M. McRorie, first for an immense pink, silver reverse named Margenchia; Geo. Smith, second for an incurved fawn and third for an incurved white in style of Queen.

Mantels decorated with palms, ferns and chrysanthemums were put up by R. McArthur and Mr. Hasse and attracted much attention from the visitors. Henry Burr showed a choice collection of dwarf conifers and there was a nice table of roses, carnations and other cut flowers, Mr. McArthur carrying off most of the honors on carnation blooms.

#### Boston.

[CONTINUED.]

The final awards at the chrysanthemum show were as follows: Plants—Twelve specimen plants, N. T. Kidder; second, Walter Hunnewell. Twelve plants grown to one stem and bloom, Dr. C. G. Weld; second, James L. Little; third, E. S. Converse. Six plants, different varieties, red, Dr. C. G. Weld; second, James L. Little; third, E. S. Converse. White, Dr. C. G. Weld; second, James L. Little; third, Donald McRea. Pink, James L. Little; second, Dr. C. G. Weld; third, E. S. Converse. Yellow, Donald McRea; second, James L. Little; third, Dr. C. G. Weld. Any other color, Dr. C. G. Weld; second, James L. Little. Group of chrysanthemum plants and foliage arranged for effect, Mrs. B. P. Cheney; second, J. W. Howard; third, A. W. Blake; fourth, Bussey Institution; fifth, H. F. Eldridge. Six Japanese, Mrs. B. P. Cheney; second, Mrs. B. P. Cheney; third, N. T. Kidder. Specimen Japanese, N. T. Kidder; second, Mrs. B. P. Cheney; third, Walter Hunnewell. Specimen pompon, Arthur Hunnewell.

Cut blooms—Twenty-five blooms of twenty-five varieties, named, John Simpkins; second, Walter Hunnewell; third, Mrs. B. P. Cheney. Six vases of six named varieties, ten blooms each, E. M. Wood & Co.; second, C. V. Whitten. Best seedling, never disseminated, three blooms, red, J. Brydon, Mars; pink, E. G. Hill, Mrs. Perrin; white, J. Eaton, Jr., J. H. Woodford; yellow, Mann Bros., Theo. Any other color, H. A. Gane, West Newton. Twelve incurved, Jos. H. White, Japanese, N. T. Kidder; second, Jos. H. White; third, W. K. Wood. Japanese, incurved, John Simpkins; second, Jos. H. White; third, W. K. Wood. Anemone, John Simpkins, second, James L. Little. Six incurved, W. Slack; second, W. K. Wood; third, John Jeffries. Japanese, John Simpkins; second, Wm. Slack. Japanese, incurved, E. S. Converse; second, B. P. Cheney; third, James L. Little. Reflexed, John Simpkins; second, Jos. H. White; third, Mrs. B. F. Cheney. Anemone, J. W. Howard; second, Dr. C. G. Weld; E. S. Converse. Twelve sprays, pompons, J. W. Howard; second, Bussey Institution. Twelve best varieties named, introductions of the current year, John Simpkins; second, T. D. Hatfield; third, W. Slack. Large vase of blooms, on long

stems, John Simpkins; second, John Simpkins; third, Mrs. B. P. Cheney; fourth, Jos. H. White; fifth, J. W. Howard. Best vase of ten blooms, on long stems, red, E. M. Wood & Co., E. Molyneux; second, J. W. Howard, J. Delaux; pink, E. M. Wood & Co., Vivand-Morel; second, Mrs. B. P. Cheney, ditto; third, Mrs. B. P. Cheney, Inter Ocean. White, E. M. Wood & Co., Mrs. Jerome Jones; second, Mrs. B. P. Cheney, Mutual Friend. Yellow, E. M. Wood & Co. Golden Wedding; second, Mrs. B. P. Cheney, Major Bonnafon; third, Mrs. B. P. Cheney, H. L. Sunderbruch. Any other color, E. M. Wood & Co., Rob't McInnes; second, W. K. Wood, Golden Hair.

#### Germantown, Pa.

The annual chrysanthemum show of the Germantown Horticultural Society took place after all despite discouragements. True, it was a free show, free in every particular, reflecting great credit on the gardeners and florists who were willing to send their best plants and blooms without hope of pay. The public took full advantage of the opportunity, and the lecture room of the Young Men's Christian Association was crowded during the afternoon and evening. The show was open for one day, November 11. The display though not large, was of excellent quality, comparing favorably in many respects with previous exhibitions. The general effect was good, the plants backed by palms and bay trees being grouped around the walls, while the cut blooms were placed on a long table in the center of the room.

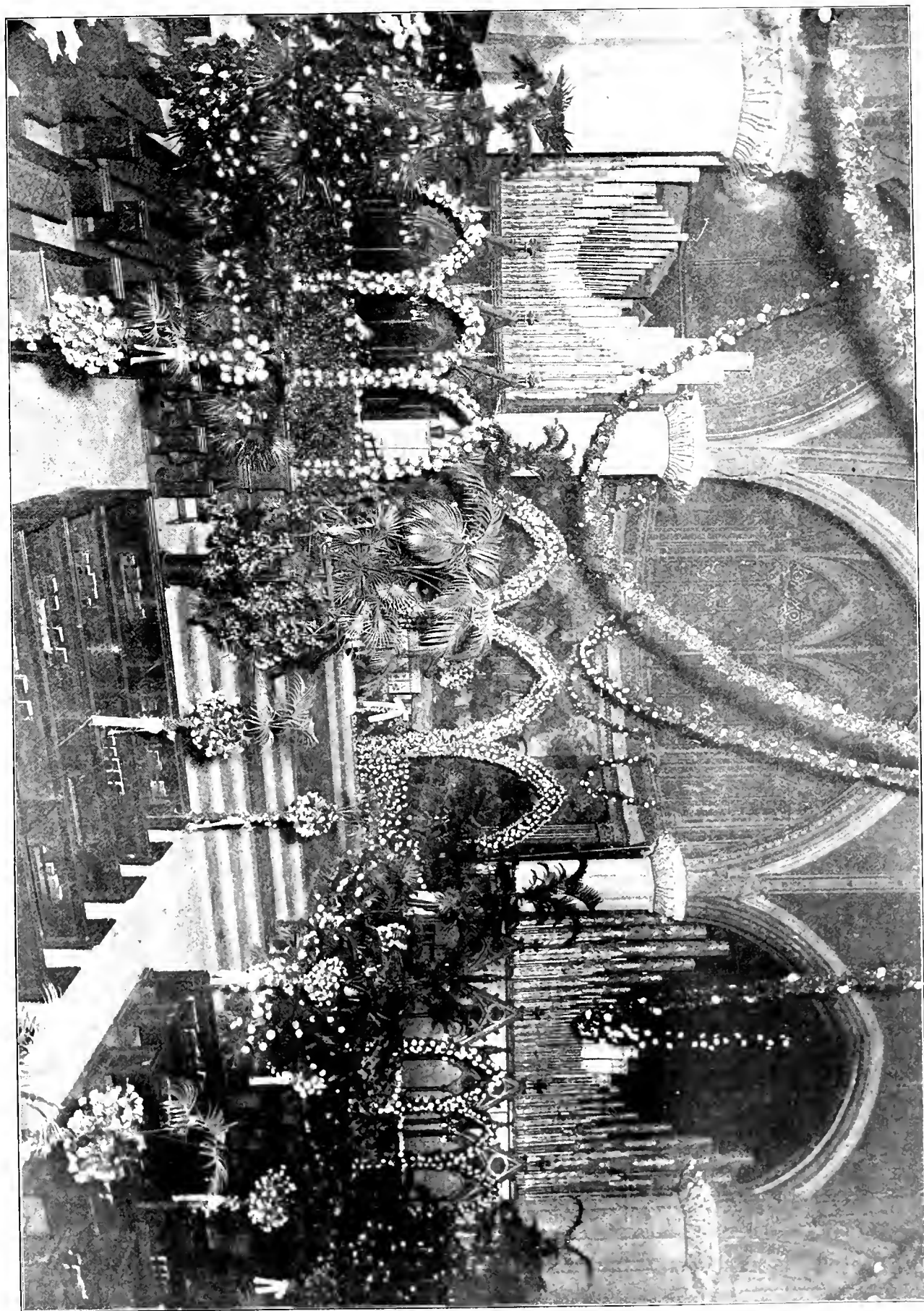
The plants were very well done, the six exhibited by Mr. Matthew Bracken, gardener to Wm. Bayard, being an improvement on those shown at the Academy of Fine Arts the week before. His varieties were Philadelphia, Ruth, Vivand-Morel, Kioto, Cullingfordii and a seedling. The same exhibitor showed some good standards. Mr. Albert Woltemate sent a fine collection of bay trees, palms, araucarias, ficus, ferns and orchids, the last two being beautiful on a table by themselves, a plant of *Lycaste Skinneri* in bloom attracting much attention. Mr. Edward Jones, gardener to I. W. M. Cardeza, showed his usual fine lot of cut blooms, as well as some nice Ivory in boxes. His vase of twelve yellows was Mrs. Craige Lippincott, and his assorted varieties, which were especially fine, comprised Niveus, Maud Dean, Mutual Friend, Eugene Dailedouze, Golden Wedding and Pres. W. R. Smith.

Mr. Henry Diehl, gardener to Mrs. Edward T. Steel, showed an attractive lot of seedlings; four of them, from V.-Morel and a white seedling, giving pleasing shades of pale pink. Mr. Charles Leisig, gardener to B. A. Van Schaick, had a good display, including the only blooms of Philadelphia present. Twelve blooms Marguerite Jeffords, once a seedling of Mr. Henry Surman, gardener to E. W. Clark, made a fine vase; it is bronze and yellow with distinct markings, but rather flat in form. Miss Minnie Wanamaker was the best white, and George W. Childs the best red.

The display of roses was disappointing. The carnations were better and more numerous, McGowan, Portia, Daybreak, Scott, Meteor, Eldorado, good old-time Grace Wilder and some seedlings comprising the varieties present.

Everything passed off pleasantly, and it is to be hoped the society has taken a new lease of life. Appended are the awards of the judges, Messrs. John F. Sibson and Charles E. Mechan. Plants: Matthew





DECORATIONS AT THE MARLBOROUGH-VANDERBILT WEDDING, NEW YORK ARRANGED BY THORLEY



Bracken first for 6 plants, 6 varieties, 12-inch pots; for same in 8-inch pots, special mention for standards and grafted specimens. Henry Diehl first for best seedling, first for collection of 3 seedlings, special for a seedling. Albert Woltemate special for fine collection decorative plants, ferns and orchids. C. B. E. Taylor first for 6 plants, 6-inch pots. Henry Surman specials for four new varieties. Frank Smith second for seedling, second for collection of seedlings.

Cut blooms, twelve: Edward Jones first for yellow, second for any other color. Charles Leisig second for white, third for any other color. Albert Woltemate second for pink, second for red, third for white. W. R. Cliffe first for pink. J. W. Young first for white, first for red, first for any other color. Carnations, 25: C. B. E. Taylor first for red, second for white. Thos. Meehan & Sons second for pink, third for white. J. W. Young first for white, first for pink, first for any other color, second for red. Roses, 12: A. Woltemate first for white. J. W. Young first for yellow. JOHN WELSH YOUNG.

#### Springfield, Mass.

The annual exhibition of the Hampden County Horticultural Society opened the 12th for three days, and although the weather was a little against them at the start, it was a success as far as the decorations were concerned. These consisted of Norway spruce and wild smilax arranged in a novel and effective way. At the entrance of the hall there was a large bank of flowers and greens. In the center there was arranged a large circle of specimen plants around a central stand. The platform was fitted up as a kind of a reception room, and Forbes & Wallace, a local firm, erected a large handsome Japanese pagoda of Japanese screens at that end of the hall. A pretty promenade was made around the sides of the hall, giving a fine opportunity to study the exhibition as a whole. In decorating Berkshire fir and southern evergreens were used, which afforded a fine background for the many-colored chrysanthemums, and made many gorgeous effects. There were trimmings overhead which added much, and also the sides of the galleries were decorated. There was no particular form carried out as to the arrangement of the tables, making the effect more picturesque in consequence.

The exhibition opened at 12 noon on Tuesday for a private inspection. At 1 p. m. it was opened to the public in general and continued through Wednesday and Thursday. The decorations of the hall and arrangements of all exhibits were under the supervision of Secretary Gale, to whom is given great credit. All who visited the hall acknowledged that the arrangement had never been equalled. The attendance during the exhibition was excellent. All of the exhibits that won the first prizes were of an high order and more than of the usual excellence. The Waban Conservatories showed magnificent blooms—the largest ever seen here.

The Connecticut Florist Club's vase of a hundred were beautiful beyond compare. There were many of the lovely Philadelphia blossoms among them. Special mention should be made of the rose Mrs. Pierpont Morgan, shown by A. N. Pierson. This is really the handsomest decorative rose that has been shown for years, and this special vase was easily conceded to be the most elegant one ever seen in Springfield. Mr. Pierson's Augusta Victoria were magnificent, stems coming up to the American

Beauty in height, stiffness and richness of foliage.

Several seedling carnations were good, that shown by Mr. Blake, of Rochdale, being marked in a particularly odd manner.

Mr. Hatfield, of Wellesley, brought particularly fine specimens which were looked at with great admiration and pleasure by all. Two pretty young ladies attired in quaint Japanese costumes attended to the wants of the buyers and added much to the effectiveness of the scene.

The premiums were awarded as follows: H. C. Rowley received first for 12 plants of distinct named varieties and for 6 plants; second for 3 plants, first for single plant, third for single standard, and for 3 standards. The Misses Taylor received second for 6 plants, first for 3 plants, second for single plant. E. H. Howland, Holyoke, received first for single standard, second for 3 standards and for display of cut bloom, second for 25 cut blooms, and for general display of cut roses, and for single chrysanthemum; first for 12 distinct blooms, and a gratuity for Harrisii lilies, orchids and California violets. H. C. Hamilton was second for single standard, first for 3 standards, also a gratuity for chrysanthemum display. A. N. Pierson, Cromwell, Conn., was first for general display of cut blooms, first for 25 cut blooms, second for 12 cut blooms, and for single specimen bloom; first for general display of cut roses, 12 cut blooms and one cut bloom, first for display of carnations and for one variety; first for Marie Louise violets and second for Lady H. Campbell. F. A. Blake was third for 25 cut blooms, and for single specimen bloom; third in one rose and one carnation class, and second for bunch of carnations. The same exhibitor received certificate for seedling carnation. T. D. Hatfield received first for 12 blooms, chrysanthemums. E. B. Beals received special prize for vase of 50 blooms, third for general display of cut roses.

A special prize (\$50 in gold) was offered for the best vase of 100 blooms, class open to florists' clubs or horticultural societies only. The Connecticut Horticultural Society made the only entry. Geo. B. Whitehead, Green's Farms, Conn., was second for display of cut carnations, third for 50 pansies and violets. R. E. Shupheldt, Chatham, N. Y., was first for Lady H. Campbell and second for Marie Louise. Other prizes were awarded to B. J. Shaw, A. P. Wade and Geo. F. Gengenbach. C. N. Miller & Co. were awarded a diploma for collection of palms.

Waban Rose Conservatories, Natick, Mass., were awarded a gratuity for 25 elegant blooms of chrysanthemums. Other gratuities were awarded as follows: To L. W. Goodell for collection ostrich plume and anemone-flowered chrysanthemums, and for tuberous begonias. To Geo. Smith, Manchester, Vt., for carnations. To F. M. Alden, display of chrysanthemums. B. M.

#### Kansas City, Mo.

The Kansas City chrysanthemum show opened November 12 at Armory Hall, and considering this being the first attempt of the Kansas City florists in giving a show, they surely deserve great credit for the manner in which they have exerted every energy in making it a success. If fine grown plants and large excellent blooms have anything to do with its success it surely will prove a grand one.

The excellent displays of the competing firms, namely Probst Bros. Floral Co., Heite Floral Co., A. F. Barbe, Jas. Payne

and Chas. E. Heite, show that the western boys are keeping close tab on the progress of the eastern shows, and their endeavors are surely not in vain, for the attendance this afternoon was fair, and to-night Armory Hall was well filled, with expectations of large attendance Wednesday and Thursday. Wednesday cut blooms were the feature, Thursday table decorations and designs. R. S. Brown & Son, Jarrett & Son and Barnes of Euclid Avenue Floral Co. all made elaborate displays of pot plants, palms, etc., not for competition. Brown & Son's display of palms would be hard to duplicate. McK.



Chrysanthemums in California.

Cultural conditions in California differ widely from those of the east, and an inexperienced grower from a distant section finds many difficulties before experience gives him a knowledge of the requirements. During a recent visit to Chicago Mr. E. W. McLellan of San Francisco gave us some interesting data on this subject. Mr. McLellan has been connected with McLellan Bros., growers for the S. F. market, and is now about to embark in the business on an extensive scale in the neighborhood of San Mateo.

The Californian chrysanthemums are grown out of doors, and it was Mr. McLellan's opinion that in size, finish and coloring they excelled the select indoor blooms seen at Chicago. They live over the winter outside, and the grower thus gets strong cuttings from robust plants. The cuttings are usually taken about February. Many growers plant them right out from the cutting bed as early as March, so as to get them started before the summer drouth, but April to June is the usual planting time. It is found that if planted July and onward they do little good. Oddly enough, the latest sorts need the earliest planting, while some of the earliest do well if not put on until June. They are planted in beds, two to four rows in a bed, three being the usual number. They receive the same treatment as to disbudding as we give them in the greenhouse, being as a rule restricted to a single stem. They are irrigated through the summer, the beds being slightly raised, and the water being used as in other crops, but no moisture is given overhead.

No protection is needed, as far as temperature is concerned, but as the flowers advance a thin cheesecloth cover is spread over the plants to protect them insects, one spotted beetle in particular being very voracious. Mr. McLellan stated that the plants made a tremendous growth, rendering extra feeding quite unnecessary; in fact if fed as they are under glass they would become positive trees. There was no trouble with mildew or spot, the dry atmosphere and absence of moisture preventing any risk of such ailments. The season of cutting began with the early varieties about the middle of September, and lasts until Christmas.

In varieties, much the same are grown as under glass, but the very tall growers are not cared for, as they become too



DECORATIONS AT THE MARLBOROUGH-VANDERBILT WEDDING, NEW YORK ARRANGED BY THORLEY

rampant under these favoring conditions. One of the favorite yellows is Widener, which attains great size and finish. Eugene Dailedouze is a great success. Philadelphia is being largely tried and has made good growth, but of course has not had a thorough test yet. Ivory attains magnificent depth and finish, and is regarded as the bread-and-butter white. The Queen is largely grown also. Mrs. J.

Geo. IIs causes disappointment on account of its poor stem. Mrs. E. G. Hill is largely grown, and in Mr. McLellan's opinion, came much better in color outdoors than under glass. Majestic, which seems a better seller here than Mrs. Hill, does not appear to be well known there. Challenge has not become a favorite, on account of failure to open well in the middle. Mrs. Craige Lippincott was

very much admired. Californian growers are especially interested in fine early varieties, as being especially suited to their conditions, and are constantly on the look-out for acquisitions in this line.

San Francisco is a very promising market for high-grade flowers; the supply is not equal to the demand, especially in fine roses. But there is no room for medium or inferior stock. From what

Mr. McLellan tells us, we in the east have no reason to complain so bitterly of the fakirs, when we compare our case with that of the San Francisco florist. They have to compete with Chinamen, Japs, and the miscellaneous foreigners described as Dagoes. The Chinamen are the worst; in the latter part of September they were offering very fair chrysanthemums five to ten cents a dozen. They do not have to protect their flowers in a glass case, as the fakirs do here, for they can expose their flowers all winter, nor do they help to dispose of the dreaded surplus, for they grow the flowers themselves on a very economical plan. The Chinese florist hunts up someone in the suburbs who has a good sized place. He offers to take good care of lawn and garden, keeping everything in good order, in return for a plot of ground (from one to three acres) and all the water he needs. He thus gets his place rent-free, and cultivates it with the microscopic care of his race. He propagates his chrysanthemums entirely from root cuttings, and grows them much the same as the Americans do, carefully disbudding, but usually growing the plants to three or four stems instead of one. He grows very fair flowers, and keeps an eye on the new varieties too. A good many florists employ Chinese help, and they are quick to observe anything of value. On the other hand, while the Chinaman can do greenhouse work satisfactorily under direction, he is not a success acting independently and they make no attempt to use glass on their own account.

The Japanese, on the other hand, are far more progressive and less conservative than the Chinese; they quickly adopt American ideas, and there are some very capable florists among them. They grow a great many chrysanthemums in pots, their main idea being to keep them as short and stocky as possible. Many of their single stem plants are but one foot high, and Mr. McLellan said he had seen them but four inches high, crowned with one immense flower on top. The larger the flower and the shorter the plant, the nearer their idea of perfection. They are very quick to secure new varieties of merit, and are generally regarded as shrewd growers.

Pot chrysanthemums are little grown for the San Francisco market, and it was Mr. McLellan's opinion that they would not be very salable, the taste being more in the line of palms and other plants of decorative foliage. They have flowering plants in their gardens at any time, and prefer something distinct indoors.

While California is essentially a land of flowers there is, Mr. McLellan thinks, plenty of room for high-class roses. As every florist knows, outdoor teas or hybrid teas can never compare in stem or finish with the glass-grown product, and the Californian is willing to be a liberal buyer of good stock. There is also an increasing demand from Portland, Seattle and other points in that district, which at present have to depend on Minneapolis or St. Paul as their place of supply. The greatest drawback to the Californian florist is the high price of fuel, for in spite of the climate he must have a little heat to keep the mildew off his roses. Hard coal is shipped from Australia, being brought by grain vessels as ballast, thus securing cheaper freights than when brought from the Pennsylvania mines. It is worth about \$6 per ton in large lots. Soft coal is cheaper but poor in quality. Stockton has natural gas.

In greenhouse building, California is very favorably placed as for cheapness. Hail is



NEW WHITE CHRYSANTHEMUM MRS. KATE B. WASHBURN.

almost unknown, so no double thick glass is needed. Where the florist in the latitude of Chicago must run twelve lines of pipe, the Californian uses four. For wood he has the red cedar or redwood, cheap and durable. It appears as if the prospects of the trade on the Pacific coast are very encouraging.

#### Chrysanthemums For Bedding Purposes.

BY GROVE P. RAWSON.

For some time after Jack Frost has devastated and destroyed the glory of vegetation and the weather recovers somewhat a more regular gait of bright days followed by cooler nights, the garden and landscape is almost wholly devoid of flowering plants, while everything of a tender nature is already stored in winter quarters. The dearth of bloom is not cheerful to contemplate, but may be counterbalanced in a measure by the art of the florist.

Dwarf pot grown single stemmed chrysanthemums would give a charming effect plunged in beds, clumps of a single color, and removed on chilly or frosty nights to some more sheltered position—the work of changing about need not be an arduous task, and it would fully repay any painstaking forethought. The varieties selected for this special purpose should be all of the early class, and naturally dwarf habited kinds, as Yellow Queen, Ivory, Mme. Bergmann, Mrs. Geo. Bullock (Domination), Minerva, Constellation, Source d'Or, also Mutual Friend, Maj. Bonnaffon and others. Bedded out in this way on the lawn the effect would be very pretty indeed and attract instant attention, while the ordinary observer would judge them to be some unusually hardy varieties new to commerce. The plants should be uniformly grown in 6-inch pots to secure a fine large bloom, and not over two feet in height. Taller plants would be whipped about by the strong winds more or less prevalent at this season, while the shorter plants would escape injury.

Clumps of pink, white and yellow 'mums would be quite serviceable along into November and afford a striking display outside about the greenhouses in our public parks. Let the parks follow out this idea, and amateurs will follow suit; thus we will have tulips for early spring bedding, and chrysanthemums for the late fall. Public parks should always be object lessons in landscape gardening, that

amateurs may profitably study, assimilate and receive technical benefit. City officials and park superintendents, see to it that you serve the long suffering public to the best of your ability and limit. Ornateness and beauty in nature is a joy forever. Please continue to make it so. I do not object to carpet bedding either if in suitable position; its proper place, however, is on a terrace or sloping bank.

Bushy specimens of pompon chrysanthemums could also be used for bedding same as recommended for pot grown single stemmed varieties. Although not as showy, they would serve for variety. As with bedding so with flower shows; we seek after novelty both for its own sake and to keep interest from flagging. As Americans we are especially fond of novelty, and worship fads for one brief hour, when something else must take its place, some newer development of fancy appear on the scene, *qui vive*, or our transient interest wanes and is attracted to other channels.

#### The Judge's Verdict.

At the Chicago show the judges (Mr. G. P. Rawson, Mr. A. Graham, and Mr. E. A. Kimball) gave as their opinion the verdict that for commercial use Oakland was the best red shown; the best pinks Mrs. Perrin (incurved) and Mrs. Murdock (reflexed); the best whites Mayflower and Mrs. H. Robinson, and the best yellows Minerva and Yellow Queen.

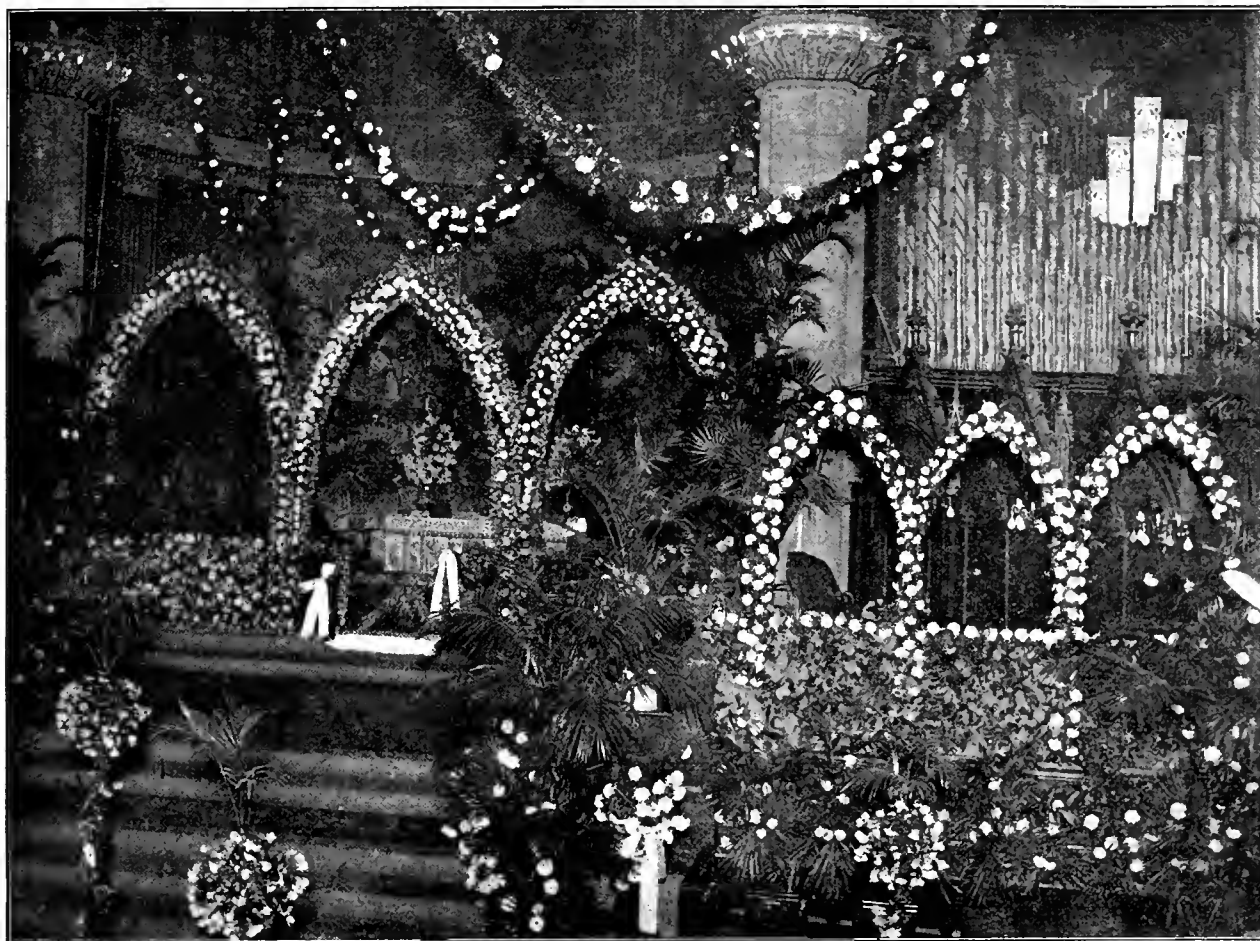
For exhibition purposes they regarded Iora and Inter Ocean as the best light pinks, Vivian-Morel the best deep pink; the best yellow St. Laurent (new) and the best bronze Charles Davis.



#### Carnation Notes.

The chrysanthemum reigns; a magnificent closing of Flora's season in our temperate zone. How proudly the Queen of Autumn looks down on the humble carnation, who with its modesty and absence of conceit offers her first blooms on the altar of Flora's kingdom, where





DECORATIONS AT THE MARLBOROUGH-VANDERBILT WEDDING, NEW YORK ARRANGED BY THORLEY

the haughty queen in all her glory presides now as priestess. But how firmly and lastingly entwines the divine flower itself in the heart of humanity through all seasons; while the Queen of Autumn with all her gorgeous dazzling splendor is only able to demand homage for a short time. Of how much more value and usefulness does the carnation prove itself over the chrysanthemum. How well does the modest, divine flower suit itself to all seasons; how unassuming in its garment, and how deliciously beautiful are the blooms, so freely given at all seasons of the year; they are indeed divine.

The carnation, like the rose, and most all other plants now in bloom, cannot be classed as fall bloomers; in their original state the whole *Dianthus* family are spring and summer flowers. The time from the transfer to the houses up to the fall exhibitions is too short to expect good flowers for a creditable show. There is always much disappointment and dissatisfaction manifest in regard to this, and the exhibition of carnations, at this time of the year, and of many varieties in particular, has rather the effect of decreasing than increasing their popularity. How can we expect the plants to recover and furnish first class flowers in the short time of six, seven, or eight weeks after transplanting? It will take all that time for a flower, from the first stage of formation, to become a full blown bloom. Consequently most all the flowers we cut now were in the early stage of formation when transplanted. This interruption cannot be otherwise than injurious to the young buds, and shows up in time in

the short stem, imperfect, small flowers, often with the cramped sleepy appearance. In short the young crop of buds, many of them invisible yet, become stunted, for the power to push them on is abruptly cut off, and what is left has to be divided to form new roots to enable the plant to get a fresh hold and commence its onward growth anew. The effects will be the same when the plants receive a check from one cause or another at any time of their growth.

In conjunction with this we have to consider another phase in plant life, that is the impulse for maintenance of posterity. For illustration: Take an annual, as the aster; notice a plant with buds sustaining an injury at its roots. It is unable to draw enough nourishment from the soil to finish its growth, and in this stage it will concentrate all its strength in developing a few flowers and ripening some seeds. The same impulse exists in every plant. When we lift our plants, tear them from the ground, to transfer to the house, and they have a number of buds, especially if well forward, the plant will sustain the development of these buds, detrimental to the formation of new roots, and buds being in the early stage of formation, for the formation of the bud begins previous to the spindling up of the stem. The few crippled flowers are in most cases dearly paid for by the delay the whole plant sustains in its growth. These are phases in carnation culture that cannot be avoided. We are forced to transplant, and this is a temporary injury, but we must strive to direct the strength that is left to where it is needed

first; that is the formation of new roots; and to do this effectually all buds should be removed when the plants are lifted, and still better it is to pinch all formed buds in the field, as long as they appear before transplanting. These are the natural, unavoidable causes which give us poor flowers for the fall shows. And I hope that we will have in the near future as many early spring exhibitions as there are held in the autumn now.

To remedy this attempts were made to grow the plants under glass all summer, and prevent transplanting. I have made the trial myself, and the result was a sorry failure. Recently I had the opportunity to converse with some florists who made the attempt this summer. They all agree their plants look healthy and they expect some good flowers, but they admit that these plants were not as robust and strong as those grown in the field at transplanting time. I could say of mine the same thing. I expected and did get some good flowers, but very few for fall exhibitions, and, what was worse, they fell short in quantity as well as quality to the field grown plants. It is a great difference between the drawn plants with a stem the thickness of a lead pencil from under glass, and the sturdy, well branched plants with a stem as thick as a little finger from the field. The field grown plants furnish the right foundation to give, with proper treatment, quantity and quality. This is my experience here in the west. It may be quite different in the east, where the roots have to contend with such a dry atmosphere through summer.



A disappointment in the carnation as an exhibition flower is the poor keeping quality on such an occasion. While in a living room they can be kept for a week, in the exhibition hall they close up in a day or two. One exception came to my notice two years ago, when I kept my flowers at Indianapolis for the whole week. How this happened to be is as much a mystery to me as their going to sleep in a day. At the exhibition at Indianapolis last week they commenced to close up the next day, and to my surprise not alone the cut blooms, for there was a batch of well grown blooming plants in pots, on which the flowers went as soon asleep as the cut ones. Autumn is a bad time to show carnations, and there can be no justice done to any variety at this time. FRED DORNER.

**CARNATION RUST.**—Mr. F. C. Stewart, mycologist of the New York Experimental Station at Jamaica, N. Y., is engaged in the study of carnation rust for the purpose of finding means of preventing it. He finds that varieties vary widely in their susceptibility to the disease and so far as his observation has gone William Scott seems wholly free from the rust. If anyone has seen rust on the variety William Scott, he would be glad to hear from them concerning it.

A SEEDLING carnation, sent us by Bolanz Bros., Akron, O., is of a good bright pink, with a remarkably firm stiff stem and vigorous habit. It appears to be a promising variety.

#### New York.

The cut flower market was never in a more discouraging condition than it has been during election week. Dullness always prevails at this period, but it was much worse on account of the very warm weather, which forced the flowers out in unprecedented quantities. Carnations, which have stubbornly withstood former slumps, had to succumb this time, and the highest price quoted or obtainable for fine Scotts was \$1, while the average run of stock was sold with difficulty at three hundred for \$1. Chrysanthemum prices went to pieces completely, and there were more sold at \$2 per hundred than at any other figure. On roses the slaughter was terrible, and the wholesale places were filled to the doors. A large portion of the stock came in very soft, and much of it was lost. One grower expressed his disgust at prevailing conditions by threatening to turn his houses into mushroom houses, and bystanders applauded his good judgment. Roman hyacinths are coming in now to several of the dealers. The first of the season were handled by Frank Millang. The new pink Ivory chrysanthemum at Julius Lang's fills a long felt want. There is now no good excuse for those abominable dyed things that some of the florists are displaying.

Another step in the transition (possibly revolution) through which the New York cut flower trade is passing has been consummated in the organization of the New York Retail Florists' Alliance. Some fifteen of the most prominent retailers are at present identified with the movement. Permanent organization has not yet been effected, but several meetings have been held for deliberation, and by-laws are in course of preparation. The projectors say in explanation that there has hitherto been no unity and but little social intercourse among the retailers. The growers, on the other hand, have had some consid-

eration for each other's welfare, have consulted with one another, and compared notes on cultural points and on prices received for their product. They think it high time that the retail florist should get better acquainted, and do something to cultivate a more amicable feeling among themselves. They say that they have no grievance so far, and that although there have been occasions in the past when they felt that they had not been fairly treated, yet their present movement is neither offensive nor aggressive in intent, the only object being to cultivate more friendly relations and to work together in the direction of the general elevation and advancement of the best interests of the



THE LATE P. B. MEISSNER.  
[See page 363 last issue.]

profession. There is nothing surprising in this movement, excepting that it did not take place long ago. The benefits in a business and social way derived from active identification with the Society of American Florists, the florists' clubs and similar organizations have long been recognized and full advantage taken thereof by the growers and every other allied interest, with the exception of the retail dealers. That this branch of the business might have derived incalculable benefit from active participation in the work of existing societies cannot be questioned, and their indifference has been the subject of frequent comment. It is never too late to begin, however, and the good work could not commence in a better place than among the florists of New York City, where self interest has always appeared to outweigh every other consideration.

And now, gentlemen, when you get the organization well under way, why not come right in under the roof of the New York Florists' Club, and then make a big pull all together for the benefit of all? With more opportunities for friendly intercourse it would not take long for growers, wholesalers and retailers to realize that the other fellow isn't such a bad fellow, after all. No intelligent grower can be so short sighted as to deliberately embarrass and obstruct the business of the retailer by extortionate demands, and it is not possible that any reputable retailer would expect or desire the grower to supply him with goods at

less than the cost of production. But "we shall see what we shall see."

The regular meeting of the New York Florists' Club was held at the club rooms on Monday, November 11, President Allen in the chair. Mr. C. L. Allen was present and favored the club with a paper entitled "Communion of Saints," which was greatly enjoyed by the members present. President Allen spoke feelingly of the death of Mr. P. Bruno Meissner, and with the permission of the club, asked Mr. Theo. Roehrs to write a letter (in the German language) to his bereaved family, offering the sympathy of the New York Florists' Club.

The secretary announced that in addition to the regular premiums offered for the coming exhibition at Madison Square Garden a special prize of thirty dollars for the best twenty-five American Beauty blooms, and twenty dollars for the second best 25 American Beauty blooms had been donated by Mr. W. Bayard Cutting and a vote of thanks was thereupon tendered Mr. Cutting for his kind offer. Mr. Donlan then reported what progress had been made regarding the show and called upon every member to give him his assistance to help make the show a success.

The next order of business was the nomination of officers for the year 1896. Balloting proceeded in the regular order and after the ballots had been duly counted, the following gentlemen were found to be the nominees: For president, C. H. Allen, C. B. Weathered; for vice-president, S. C. Nash and A. T. De La Mare; for secretary, John Young and Alex. Wallace; for treasurer, C. B. Weathered and Theo. Roehrs; for trustees, P. O'Mara, James Dean and Theo. Roehrs. Several of these candidates at once entered vigorous declinations, some being accepted and others not. The ticket as finally settled made Mr. Allen the only candidate for president and Messrs. Eugene Dailedouze, W. F. Sheridan and Theo. Roehrs candidates for trustees, the rest of the ticket remaining as above recorded. Before the adjournment Mr. James Dean made the pleasant announcement that he had decided to offer a special prize of fifty dollars for the best display of carnations at the Madison Square Show.

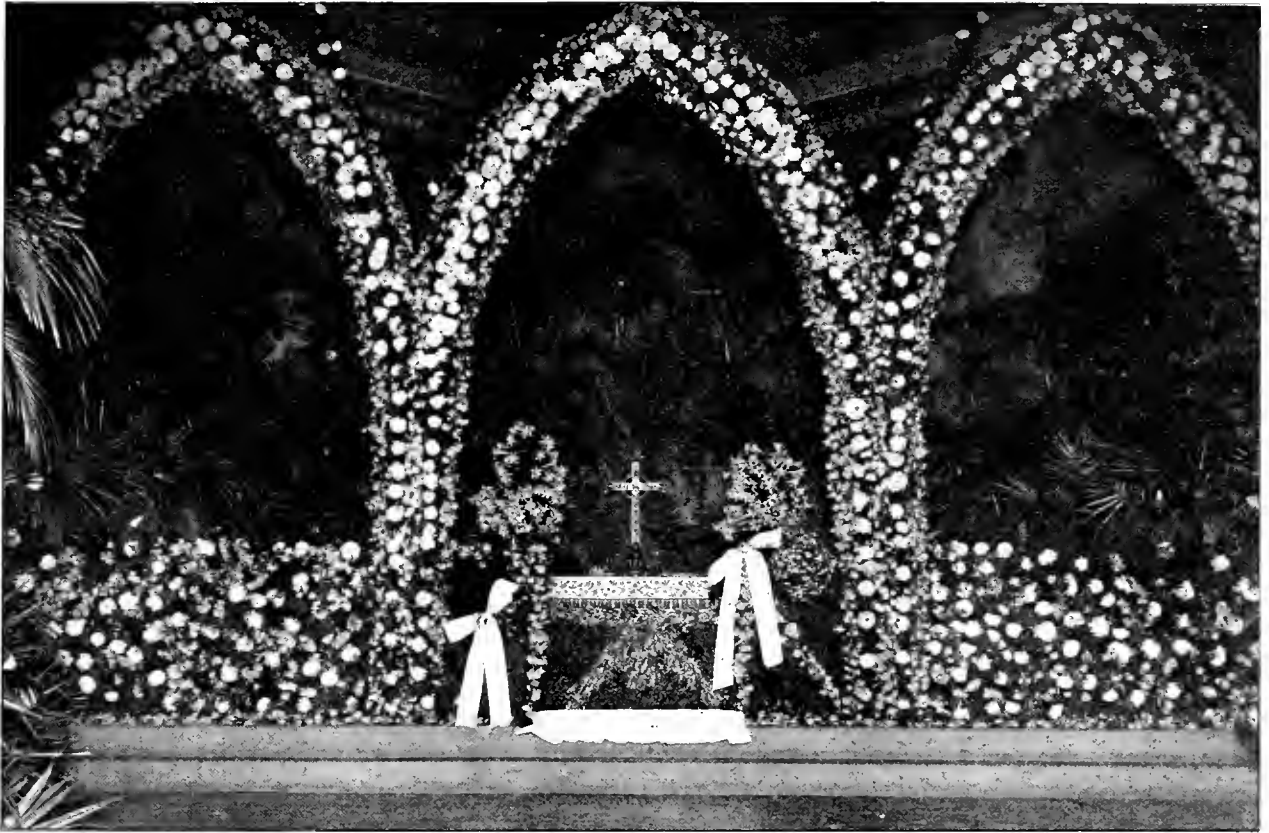
A fine exhibition of palms and tropical plants will be held by W. A. Manda at Grand Central Palace, 43d street and Lexington avenue, on November 18 and continuing until December 1.

A. Herrmann is rejoicing over the largest October business he ever experienced. He reports the fall trade as far ahead of his expectations and thoroughly satisfactory. He has secured additional space for factory purposes at 729 731 Third avenue.

The employees of the New York Cut Flower Co. will hold a ball, for which the patronage of the local trade is solicited, at Lyric Hall, Sixth avenue, between 41st and 42nd streets, on December 16. Tickets are 50 cents, and can be obtained from John Hogan, corresponding secretary, 121 West 23d street.

#### Church Decorations for the Marlborough-Vanderbilt Wedding.

Through the kindness of Mr. Thorley we are enabled to present in this issue photographic views of this most elaborate and original church decoration. The great central arches seen spanning the chancel were thirty feet high and composed of white chrysanthemums and Bride roses. The corresponding arches fronting the large organ on the north side were composed of the same material,



DECORATIONS AT THE MARLBOROUGH-VANDERBILT WEDDING, NEW YORK. ARRANGED BY THORLEY

and those on the south were of Bridesmaid roses and pink chrysanthemums. The chancel in the rear of the arches was filled with a forest of lofty palms, and the floral gates leading thereto were of lily of the valley, white orchids and asparagus, with immense vases of white lilies on the altar in the background. The pulpit was almost buried in a drapery of bougainvillea, with pendent orchid baskets and bromeliads. The columns were adorned with spiral sashes of palm leaves and chrysanthemums, one all pink, the next all white. The standards or torches on the pew ends varying from seven to nine feet in height made a marvelously beautiful effect. They were composed of Bride and Bridesmaid roses alternately, with ribbons of corresponding colors and with a growing palm crowning each. The gallery fronts were hidden by oak branches with autumn foliage and plaques of chrysanthemums and festoons of cosmos from which numerous baskets of orchids and nepenthes were suspended.

At the entrance of each aisle, but not appearing in the pictures, was a double gate of asparagus and roses, in place of the ribbon barriers generally used, and the decorations of the vestibule and rear galleries were as elaborate as in the other portions of the church.

A fact in connection with this decoration worthy of note on account of its extreme rarity was that the work was completed and ready a full hour ahead of the specified time. Mr. Bridgeman, who so ably superintended the carrying out of Mr. Thorley's ideas, and his battalion of assistants showed the effects of the strain of hard work and sleepless nights, but they had the compensation of unstinted praise for the manner in which every minutest detail of the undertaking was carried out and finished. Messrs. Reed &

Keller, the wire workers, should not be forgotten, for they had been employed for weeks on the framework for the arches, the pew standards, gates, etc., and their mechanical skill and thorough workmanship underwent a severe and most satisfactory test.

#### Boston.

At the November meeting of the Gardeners' and Florists' Club the following officers were elected for the year 1896: President, Lawrence Cotter; vice president, Kenneth Finlayson; secretary, Chas. J. Dawson; treasurer, Edw. Hatch; executive committee—Jas. Wheeler, Chas. J. O'Brien, F. R. Matheson and Geo. M. Anderson. These gentlemen were elected each by a unanimous vote, and the best of good feeling prevailed. The attendance was quite large, many of the most prominent gardeners and commercial growers having been attracted by the announcement that Mr. E. O. Orpet of Lancaster, Mass., would be present and address the meeting on the subject of English gardens and nurseries of 1895, and the impressions gained in a visit to the old country during the past summer. Mr. Orpet's paper, of which an abstract will appear in the AMERICAN FLORIST for next week, was enjoyed greatly by his audience, many of whom were of English birth and education, but it was quickly demonstrated in the discussion that followed that their heart and sympathy were with their adopted country almost to a man. The earnestness with which any suggestion of transatlantic superiority was disputed by the sturdy representatives of Boston horticulture was not only remarkable, but decidedly entertaining, and that America, and Boston in particular, is the garden spot of the universe,

and American nurserymen and seedsmen the peers of any in the world, seemed to be pretty generally accepted.

The cut flower trade has been in the worst possible condition during the past week. The overstock of everything and lack of activity in buying has made a state of affairs seldom experienced in this market, and decidedly unpalatable to all concerned. Colder weather is due, and Thanksgiving Day is approaching, so it is likely that a change for the better will soon come.

On Wednesday, November 13, Ed. Hatch sold at auction a fine lot of roses, peonies and general nursery stock for forcing and outdoor planting from the Boskoop Nursery Association, for C. H. Joosten. After the sale Mr. Hatch entertained his friends at Marliave's.

The Holt Heating Co. has just put one of its largest steam heaters in the Twombly greenhouses at Winchester.

MALDEN, MASS.—Maurice Prendergast, the oldest florist in Malden, dropped dead at his home on Crossstreet on Thursday, November 7. He leaves three sons and one daughter.

PAWTUCKET, R. I.—John Hogan died on the morning of November 8 at his home on Harrison street, aged 57 years. He was one of the best known florists here.

FT. WORTH, TEX.—November 2 was chrysanthemum day at the fair and a very excellent exhibition was made.

WE ARE now ready to receive advs. for the corrected edition of our trade directory and reference book to be issued January 1 next.

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cure insertion in the issue for the following Saturday.

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## Our Advertisers.

Our enterprising advertisers are again in force. Past experience has convinced them of the value to them of the AMERICAN FLORIST, and of its special numbers in particular. The AMERICAN FLORIST is not given to indulging in self-praise, and we will be pardoned for breaking over our rule for once, just far enough to remark that we feel proud of this special chrysanthemum number, and of the generous support given us on this and former occasions by the leading houses in all departments of the horticultural trade. We would remind our readers that only through the co-operation of our advertisers is this superb edition made possible, and we would respectfully ask on their behalf a careful perusal of what they have to say, and that preference be given them when goods such as they offer are needed.

THE printed report of the proceedings of the Pittsburgh convention of the Society of American Florists has been issued, and it is a very interesting volume. It should be in the library of every florist in the land. Those not members may obtain copies at \$1 each by addressing the secretary, Mr. Wm. J. Stewart, 67 Bromfield street, Boston Mass. But the better way is to join the society, and thereby be entitled to the report and all the other benefits of the national organization.

## Catalogues Received.

The Horticultural Co., Boskoop, Holland, general nursery stock; August Roller & Sons, New York City, florists' supplies; Fred'k Roemer, Quedlinburg, Germany, seed novelties; J. M. Thorburn & Co., New York City, seeds; D. Landreth & Sons, Philadelphia, seeds.

## Didn't Return the Basket.

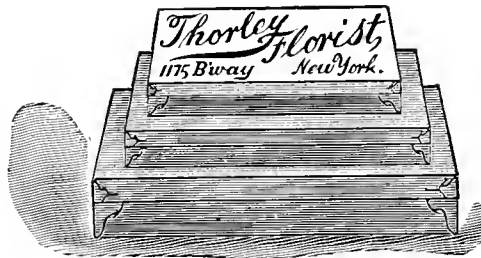
A writer in the *Scottish Review* relates the following amusing anecdote:

The queen was on one of her periodical journeys through Scotland, and the royal train was timed to stop for luncheon at a certain through station. Mr. C., who lived not far away, and who had a famous hot-house, improved the opportunity to send Her Majesty a basket of his choicest grapes.

In due course he received a letter of acknowledgment, expressing the royal appreciation of the gift, and complimenting the donor upon the fineness of his fruit. The gentleman was pleased, of course, and feeling sure that his head gardener would be greatly interested in the letter, he read it to him. The gardener listened gravely, but his only comment was:

"She disna say anything aboot sending back the basket."

PLATTSMOUTH, NEB.—Mr. W. J. Hesser has just finished rebuilding a house that was formerly 15x100 and which has been enlarged to 22x100. It will be used for latanias. He has also commenced to grade and get the ground ready for three more houses, 11x135 each. One will be used for growing seedling palms, another for arecas and the third for kentias.



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## Wholesale Markets.

### Cut Flowers.

NEW YORK, Nov. 12.	
Roses, Bridesmaid, Bride, Cusin, Watteville	1.00@3.00
" Meteor, Testout, Kaiserlin	1.00@5.00
" Beauty, culls	1.50@5.00
" extra grades	8.00@25.00
Carnations, ordinary	35@.50
" fancy	50@1.00
Valley	2.00@5.00
Chrysanthemums	1.00@3.00
" fancy	3.00@12.00
Violets	1.00@2.00
Adiantum	.75@1.00
Asparagus	35.00@50.00
BOSTON, Nov. 12.	
Roses, general list	.50@2.00
" Beauty	2.00@12.50
" Carnations	2.00@1.00
Valley	3.00@4.00
Chrysanthemums	2.00@10.00
Violets	.75@1.00
Adiantum	.75@1.00
Smilax	10.00@12.00
Asparagus	50.00
PHILADELPHIA, Nov. 12.	
Roses, Beauties	15.00@20.00
" teas, large varieties	3.00@4.00
" " second	2.00@3.00
Carnations	1.00@2.00
Valley	4.00
Chrysanthemums	15.00@20.00
CHICAGO, Nov. 14.	
Roses, Beauties long	5.00@25.00
" short medium	8.00@12.00
" large teas	2.00
" select	3.00
Carnations	.75@1.00
" fancy	1.00@1.50
Valley	.50@
Violets	12.00@15.00
Smilax	4.00
Chrysanthemums select, per doz	1.00@5.00
" southern grown	4.00
ST. LOUIS, Nov. 14.	
Roses, select stock	5.00@5.00
" ordinary	1.00@2.00
" Beauties long	15.00@18.00
" " short	9.00@10.00
Carnations fancy	1.50@2.00
" ordinary	1.00
Valley	4.00
Violets single	.25
" double	.50@.75
Smilax	10.00@15.00
Asparagus	50.00
Chrysanthemums, southern	2.00@4.00
" home grown	6.00@20.00
Cosmos	.50
Adiantum	1.00
Ferns, fancy	1.50
" common	1.00
BUFFALO, Nov. 13.	
Roses, Beauties	12.00@20.00
" Meteors	5.00@6.00
" Bridesmaid, Mermets, Bride	5.00@6.00
" Cusin, Perle	4.00@5.00
Chrysanthemums	5.00@15.00
Carnations, fancy	1.25@2.00
" common	1.00@1.50
" short	.50@.75
Valley	4.00
Violets	.75@1.25
Adiantum	1.00@1.25
Smilax	15.00@20.00
Asparagus	50.00

## GEORGE A. SUTHERLAND, Successor to PECK & SUTHERLAND, Successors to WM. J. STEWART, Cut Flowers and Florists' Supplies WHOLESALE. 67 Bromfield St., BOSTON, MASS. New England Agent for the GREAT ANTIPEST.

## WHOLESALE FLORISTS JOEBERS IN FLORISTS' SUPPLIES, FLORISTS' VASES. METS, BRIDES, GONTIERS, CARNATIONS, ALWAYS ON HAND. 84 Hawley Street, BOSTON, MASS. HORTICULTURAL AUCTIONEERS.

## WELCH BROS., Wholesale Florists, NO. 2 BEACON STREET, Near Tremont St., BOSTON, MASS.

## John I. Raynor, 49 WEST 28th STREET, NEW YORK.

SPECIAL EXTRA STOCK OF  
AM. BEAUTY, METEOR,  
BRIDESMAID, BRIDE.

DISBUDED CARNATIONS.  
FANCY GRADE.

CATTELEYA LABIATA, splendid blooms.

## THOS. YOUNG, Jr. Cut Flowers, WHOLESALE, 43 W. 28th Street, NEW YORK.

## WALTER F. SHERIDAN, WHOLESALE FLORIST, 32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application

## Edward C. Horan, 34 W. 29th Street, NEW YORK, WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.  
Price list on application.

## Purdy & Blauvelt, WHOLESALE DEALERS IN CUT FLOWERS, 57 W. 30th St., NEW YORK.

## JOHN YOUNG, FINE ROSES WHOLESALE, 51 West 28th St., NEW YORK.

## FRANK MILLANG, CUT FLOWERS, WHOLESALE, COMMISSION, 408 E. 34th Street, NEW YORK. Cut Flower Exchange, A first-class operating for a few good consignors.

## THEO. ROEHRS, WHOLESALE FLORIST 111 WEST 30TH STREET, Established 1879. NEW YORK CITY.

## JULIUS LANG, (Formerly with THEO. ROEHRS.) Commission Dealer in Cut Flowers, WHOLESALE, 53 West 30th St., NEW YORK CITY.



## Re Seed Trade.

### AMERICAN SEED TRADE ASSOCIATION.

S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-  
bers St., New York, Sec'y and Treas.

MR. FRANK T. EMERSON is making a business trip through central Iowa.

VISITED CHICAGO:—Mr. Jas. Farquhar and wife, of Boston, returning from California.

VISITED CHICAGO: C. C. Morse, A. J. Brown, R. H. Shumway, Chas. N. Page, H. W. Buckbee.

THE Robt. Buist Co. send us samples of one of the finest colored lithograph vegetable seed bags that we have ever seen.

RUMORS of low prices in the coming catalogues are current as is usual at this time of the year, and the very low prices of produce give such rumors more color than usual.

WILLIAM T. LAMOREAUX, of Grand Rapids, the well known seedsman and dealer in beans, shot himself on Sunday last, Nov. 11. He had been troubled with something like congestion of the brain for some three months past. He was 57 years of age. The business of Mr. Lamoreaux attained mammoth proportions in the handling of field beans for consumption, his output being above 40,000 bushels per annum.

### A Chicago Ditty.

BY J. AUSTIN SHAW.

[Read by the author at the supper of the Chicago Florist Club, November 7.]

Talk about luck! Who's luckier than I?  
I struck Chicago in "the nick of time!"  
—The "mum" show! And this festival of pie!  
(And the proud privilege of making rhyme).

No worthier names adorn dear Flora's page,  
Than those whose record I now celebrate.  
All honor to you, whom my thoughts engage,  
Each one a genuine "daisy,"—"up to date!"

Your noble guests first honors claim!  
Here's to you! genial Adam Graham.  
Was it because you are so nice,  
The big society made you "Vice"?  
Unless your energies are spent,  
Next year we'll make you President!  
Cleveland's our goal in '96.  
(I mean the city, not the man).  
No politics with our feast I'll mix,  
Guess whom I'll vote for it you can.

And now let's sing a hero's praise,  
The hero of the "green and blue."  
The man who changes nature's ways!  
He "takes the 'mum' I say, don't you?"

He is indeed a "learned judge!"  
His "pitcher" gleams, with colors bright.  
From far Elmhurst doth he trudge,  
I know you're glad he's here to-night.

'Tis Grove's—not Grover's—health we drink,  
A splendid man!—"You bet your life!"  
With only one fault!—(See him wink!)  
The sinner's still without a wife!

Would that some dear Chicago belle,  
Some damsel, winning, witching, sweet,  
With charms, no words of mine can tell,  
Would land on him, with both her feet!

And now I'll serious be, for time flies fast,  
I must "dish up" a lot at this repast.  
And first and foremost is the man from Flanders,  
No need to tell you!—dear old Edgar Sanders.

An honored name, the whole wide country o'er,  
We doff our hats!—God bless you!—Long before  
The most of us were seedlings—You, a tree  
Whose branches reached far spreading o'er the lea,  
Scattered your fruitful knowledge wide and far!  
—Long may it be ere sets this brilliant star!

Ulysses Grant was this great nation's pride  
But he, to his reward, has passed away,  
We have a Grant, ourselves, that's never died,  
An active, wiry fellow!—Let us pray  
—And this will be the burden of our prayer:  
Let it may he live to fill the editor's chair!

# REMEMBER

## THE COTTAGE GARDENS, Queens, L. I., N. Y.

make a specialty of growing large quantities of

## NEW CARNATIONS, NEW CANNAS, NEW GERANIUMS,

As well as the best, tested Standard Commercial sorts, especially for propagating young stock for **COMMERCIAL FLORISTS**. Our aim is to send our customers none but first-class stock, well-rooted, in healthy, growing condition, and to give full count and satisfaction. Our stock offered for sale this season will consist of

**400,000 CARNATION CUTTINGS,  
100,000 GERANIUM CUTTINGS,  
100,000 CANNAS,**

which will be grown in first-class condition, and sold at reasonable prices.

**ANY FLORIST can have our DECEMBER TRADE LIST by sending us HIS ADDRESS AND NAME.**

**GIVE US A TRIAL ORDER.**

**C. W. WARD, Manager.**

From out the tombs there comes a spectre fat,  
No need to ask each other, "Who is that?"  
The manager is surely "out for blood,"  
His show's a dandy!—So is Willis Rudd!  
He's full of business; and withal good natured,  
witty,  
Long may it be, before he moves, to his own  
silent city.

The King of Seedsmen! Champion of the lawn;  
Prize winner universal!—J. C. Vaughan!  
Who does not know that name? A household  
word,  
Nothing against it have I ever heard,  
A synonym for dealing fair and square!  
They say J. C. don't drink, nor smoke, nor swear.  
But when he's mad, and for a swear gets ready  
He turns the job right over to Burt Eddy.  
And when Burt swears, with his 300 pounds,  
'Tis said the earth shakes hard for miles around.

No general can life's battle fight alone,  
His staff it is that does the *real* fighting.  
If it were not for Wilson's magic tone,  
And touch, the plant trade all would go a-kiting!

And what kind of a *Crop* would likely come,  
If C. Cropp didn't make things buzz and hum.  
And where would "the whole shooting" match  
end up in, say—two summers?  
If it were not for Lloyd and Burt, the frisky,  
dandy drummers!

Say "Kanst" thou tell me anything about a canna  
shark?  
Who prides himself on wondrous work all over  
old South Park!  
And what about the bedding fine, of which we've  
all been thinkin',  
Which Stromback prides himself upon, in your  
grand park, called "Lincoln."  
Both modest men, of course, whose work speaks  
loudly for itself!  
'Twill be a sorry day for you,  
When they're "laid on the shelf."

Around no city in the land—  
Live nobler hosts of growers grand!  
Time flies, their names I'll only mention!  
If you'll give me your close attention.

Bassett & Washburn! House on house of  
"Beauties!"  
Strictly attentive to their daily duties,  
The Reinberg boys, 'twill never do to pass,  
With their 200,000 feet of glass.

Brave Buettner and the Poehlmanns too, all loyal  
to the "Kaiser!"  
And at Niles Center, Steilow, Mailander and  
Blauweiser!  
The Victor Brothers up at Rogers Park are  
climbing high,  
And so too are the Munos, but they mustn't reach  
the sky.  
George Klehm and Brother Kennedy! They honor  
the profession,  
And to Hilmers and McAdams, we will make the  
same concession.  
No nicer men in all your club, they tell me, have  
you got,  
Than Messrs. Prince and Corbrey, and the com-  
pany Kennicott.

And now not *least*, but *last* we come,  
To the nicest men of all.  
If it were not for the retailers  
How soon your house would fall.  
They tempt the darling ladies,  
And your lovely flowers they sell.  
Without them all your growing  
And your flowers would go to—well  
You know, as well as I do, that we all must pull  
together,  
And if we don't, our ship will meet some mighty  
stormy weather.

An earnest man deserves success!  
And who is earnest more  
than jovial Ernest Wienhoeber  
The man with the new store!

In fact it seems to me as though new life had been  
infused,  
And some "Elixir" nearly every retailer has used.  
Phil. Hauswirth, at the Auditorium looks looks  
very gay,  
And Samuelson has fixed things up as though he  
meant to stay,  
And Mr. Blank and Mr. Smyth, and others, don't  
you know,  
A score or more, like Gallagher, seems bound to  
"let her go!"  
And so if you'll allow me, I'll predict a glorious  
season,  
And why you shouldn't all get rich I can't see any  
reason.

It wouldn't do to say good bye, without a word or  
two  
About these living cyclones, have they played  
their tricks on you?  
The genial Walter Kreitling and Deamund the  
"little joker"  
Both equally at home, I guess, at banquet or at  
poker.

This life would be too sad, methinks,  
Without such boys as these.  
They serve to chase the shadows,  
They put music in the breeze,  
They put sunshine in the cloudy skies,  
And molasses in the bread,  
And we all will deeply feel the loss  
When these two kids are dead.

And now farewell, and please accept congratula-  
tions true!  
I'm glad your show is a success,  
And this nice banquet too,  
And "brothers," if you ever come  
To the "wild and wooly east,"  
I'd like to meet you, every one,  
At such another feast.  
I'm sure you'll find the New York florists  
Full of generous greeting.  
And so, I'll say for them and me,  
God speed our early meeting!  
Good night, good night, and pleasant dreams,  
Sometime we'll never sever!  
We'll meet, some day, somehow, somewhere,  
Where flowers bloom on *forever*.

THE AMERICAN FLORIST (\$1.00) and  
Gardening (\$2.00) together to one ad-  
dress for one year for \$2.50. Send orders  
to American Florist Co.



## St. Paul.

We are sorry not to be able to record a chrysanthemum exhibition under the auspices of our Florists' Society. In other words we would like to "be in it" with the rest of the country and record the many features of a 'mum show. Our show is *mum*, and that is all there is of it.

Trade has been much better during the past week, and all flowers are now selling well. American Beauties are quite scarce. Prices are held firm. 'Mums are now selling rapidly, plants also sell readily. We have not seen any standards and do not believe there are any in the city. Plants that retail for \$1 to \$1.50 are in best demand. Violets have shown themselves occasionally, but are still quite scarce, though calls for them are numerous.

L. L. May & Co. have their large store tastily filled with choice 'mums in all colors, forms and sizes, both plants and cut blooms. In fact they are having an exhibit of their own.

Chris Hansen's place on Dale street is looking very well, his carnations and roses just now coming in to full crop. He has added to his other stock a fine collection of adiantums, also a choice lot of assorted ferns, selaginellas, lycopodiums, orchids and palms. The Belle Siebrecht was planted by him in August, but is a very weak grower, and the blooms are too small for sale.

Carlson & Lauritson's houses at Warrendale (formerly the Warrendale Green-houses) are filled with a general stock of roses, carnations, 'mums and violets, and show a decided improvement under the new management.

In Minneapolis a new store has been started on Nicollet avenue by Miss Chase, who was formerly saleslady for Nagel & Co. The department store trade in that city still flourishes, but in spite of that the florists report a better trade this season than last.

E. Nagel & Co. have their houses filled as usual with choice stock. They have a new device of their own for staking carnations, which seems to give very good satisfaction. Their carnations are very healthy, and perfectly free from rust.

Henry Krinke in this city has opened his new store at 511 St. Peter street, and is ready for business.

Mr. C. C. Pollworth of Milwaukee was a recent caller.

The next meeting of the Florists' Society is booked for Thursday, November 14, at West Hotel, Minneapolis. Election of officers and other important business will come before the meeting. FELIX.

BURLINGTON, KAS.—Mrs. W. L. Castle has retired from business here.

RAHWAY, N. J.—The business of Jas. Dunn will hereafter be carried on under the name of Jas. Dunn & Son.

## NOTICE.

Wishing to give our time to the growing of Hardy Perennials, Shrubbery and Shade Trees, we have decided to offer for sale at a bargain our stock and fixtures at 98 Lake-st., either as a whole or in part.

We still have a choice assortment of mixed and named varieties of Hyacinths, Tulips and Narcissus which we will close out at prices to move them. Also a general line of Seeds, Tools, Pottery, etc., usually found in a seed store. Call or write us if open to an opportunity.

THE JAMES KING SEED CO.,  
98 Lake St., Chicago.

# We are the People to Buy Cut Flowers from

Our aim is, to fill orders **promptly** with **First-Class Stock**. **Special attention** is given in **careful packing**. If you want **First-Class Roses**, you **make** no **mistake** in **sending** us your **orders**. We have the best and quickest railroad facilities.

## Cheapest Express Rates to all Points.

We solicit those who have not bought from us to **send us a trial order**. Once you get our stock, you will keep sending to us.

**Our Daily Supply** consists of the following flowers: American Beauties, Meteors, Woottons, Kaiserin, Brides, Bridesmaids, Mermets, Perles, Carnations, Chrysanthemums, Violets, and all Miscellaneous Flowers, Smilax and Ferns.

**Also Palms in pots. Price on application.**

**W. E. LYNCH,**  
**59 Wabash Avenue, Chicago.**

Mention American Florist.

**MILLANG'S** **CUT FLOWER EXCHANGE,**  
**408 W. 34th St.,**  
**NEW YORK CITY.**

# Cut Flowers, Wholesale.

**Centrally located. Unrivalled Shipping facilities. Established 1884. Record good.**

**FRANK MILLANG,**  
**408 West 34th Street, NEW YORK.**

**AZALEAS,** Sander, Bruges, Belgium.  
**PALMS,** Sander, Bruges, Belgium.  
**ARAUCARIAS,** Sander, Bruges, Belgium.  
**BAYS,** Sander, Bruges, Belgium.

Agent: **A. DIMMOCK,**  
**106 & 108 Liberty Street, NEW YORK.**  
**SEND FOR SPECIAL OFFER.**  
Mention this paper.

## ORCHIDS OUR SPECIALTY.

**THE FINEST STOCK AND SELECTION IN THE WORLD.**  
New and Rare Plants for the Stove, Green-house and Conservatory.

**SANDER, & Bruges, Belgium.**  
St. Albans, England.  
A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106 and 108 Liberty Street, New York City  
Send for illustrated catalogue.

Mention American Florist.

# "MUMS THE WORD" JUST NOW

**MUMS.** 25,000 specimen flowers, grown 1 to 2 to the plant. Prices very low.

**ROSES.** All varieties, including Whitney and J. P. Morgan.

**CARNATIONS.** Scott, McGowan, Daybreak, etc., all disbudded.

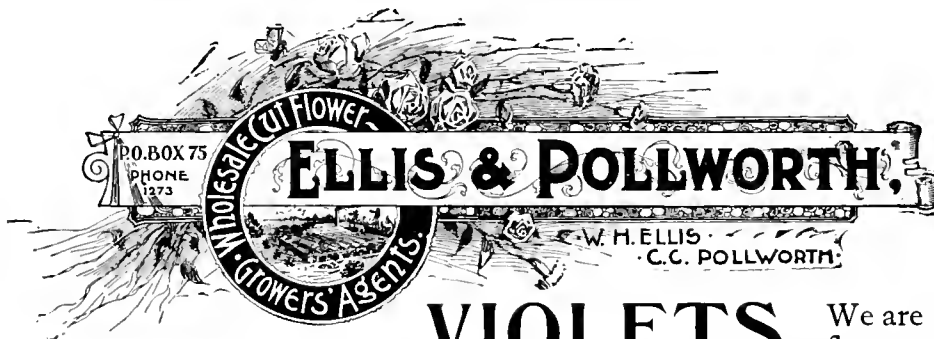
**VALLEY.** One of our specialties this season, the finest in the market. Any quantity at any time.

**VIOLETS.** Always fresh; received morning and evening.

**CATTLEYAS.** Labiata, Trianae, etc., at short notice, and anything else in the New York market.

## E. C. HORAN,

34 West 29th St.



## Cut Flowers.

### VIOLETS.

We are **Headquarters** for these flowers. We are getting in some fine flowers now, and will have them this season in large quantities. Regular orders solicited.

**ROSES.** All varieties.

**CARNATIONS,** in the leading sorts.

### CHRYSANTHEMUMS,

From the Smallest and Cheapest to the Largest.

 We ship nothing but Good, Fresh, Clean Stock **WELL PACKED.**

**GIVE US A TRIAL.**

## ELLIS & POLLWORTH,

137 Oneida Street, MILWAUKEE, WIS.

Box 75.  
Phone 1273.



Lowell, Mass.

Business has much improved during the past two weeks, there being a brisk, steady demand for good long stemmed roses and carnations, which, by the way, are coming in in finer shape every day. The chrysanthemum, it goes without saying, comes in for its liberal share of patronage, and the florists vie with each other in displaying many excellent varieties in their attractive show windows. As a flower town Lowell is fast coming to the front, there being but few towns of the size in the country that can surpass it as regards the number of greenhouses, attractive flower stores and "up to date" methods in general.

A few notable weddings and receptions took place recently, Patten & Co. taking charge of the church and parlor decorations, which, as usual, they executed in the most artistic way. A "brilliant" society wedding, to take place the first week in November, promises to keep Mr. Patten busy with another elaborate decoration.

Mr. John Oliver has removed his greenhouses from Pawtucket street, rebuilding them on the outskirts of the town. He has thus far completed three houses, one 100x20, one 100x18 and one 100x16, hot water being the system of heating them. Mr. Oliver retained his office on Pawtucket street.

Mr. James Walsh built a 100x20 carnation house.

A. Tingley added a 100x18 carnation house to his plant.

Messrs. Patten & Co. have built three additional houses, viz, one 125x18 for carnations, the other one 100x10 for violets and the third 40x12 for miscellaneous stock. They have also rebuilt their boiler house, and have added a 24 horse power boiler.

Mr. D. Hartford, who recently bought out the store of E. Shepard & Son, is more than satisfied with the results of his venture. He reports a good trade all along the line. X.

La Fayette, Ind.

F. Dorner & Son and the ladies of the First Baptist Church will give a chrysanthemum show at the Baptist Chapel November 19-21.

A dinner table recently arranged by Dorner & Son was decorated with pink and white chrysanthemums and asparagus. The ices were served in small paper cups 1 1/4 x 2 1/4 inches; these were placed in the center of chrysanthemums hollowed out for the purpose. The varieties used were Mrs. S. T. Murdock and The Queen.

Manchester, N. H.

Mr. A. G. Hood has enlarged his greenhouses, adding 50 feet to each of his six houses. In addition he built a 30x40 palm house, and is now remodeling his store, which, when completed, will be one of the finest flower stores in the state of New Hampshire. Mr. Hood has bought ten acres of valuable ground adjoining his greenhouse plant. X.

**Begonias, Gloxinias.**  
500,000 Bulbs of our Noted Strain for Sale.

PALMS, AZALEAS, FICUS, ARATOCARIAS SWEET BAYS, DUTCH BULBS, LILIUIMS, ETC.

The Best is Always the Cheapest. Write for Prices.

**TOEFFAERT & GEE,** GENDBRUGGE les GAND  
BELGIUM.  
And 36 Catharine St., Liverpool, England.

At Quality, Small Profits, Perfect Packing, Prompt Attention, Low Freight.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

## RIGHT ON DECK FOR BUSINESS JULIUS LANG

With First-class Stock from the Best Growers. PLENTY OF IT  
Flowers sold when Fresh, at Fair Prices.

### CHRYSANTHEMUMS.

Fine Exhibition Varieties, including the wonderful new **PINK IVORY**.

Local and out-of-town dealers supplied. Stock received early in the morning. Apply for prices.

**JULIUS LANG,**  
(Formerly with Theo. Roehrs)  
Wholesale Commission Dealer in Cut Flowers,  
**53 West 30th Street, NEW YORK.**

**STOP** **AT**  
**J. K. ALLEN'S**  
**Wholesale Cut Flower Emporium**

The busiest place on 28th Street, New York.

The first place after leaving Sixth Avenue Elevated. Always crowded with customers from East Side, West Side, all around the town, and far out of town.

**Buy the Best flowers at the Lowest prices:  
Come and See for Yourself.**

**Cut Flowers in Quantity, Quality and Variety Unlimited.**  
**J. K. ALLEN,**  
**57 West 28th Street,**  
**NEW YORK CITY.**

Telephone, 382 38th St.

300 Acres in Nursery.

1 Acre of Glass.

**Specialties for Florists.**

Per 100  
**Azalea indica**, 8 to 10 inches, with buds.....\$12.00  
**Cardenias**, bushy, 15 to 18 inches.....12.00  
**Grevillea**, 12, 18 and 24 inches.....\$6.00, \$8.00 & 15.00  
**Eugenia Jambos**, 12-15 inches.....12.00  
**Camphor**, 12-18 & 36-40 inches.....\$8.00 & 25.00  
**Guava Red Cattle**, 15-20 inches.....12.00  
**Magnolia Fuscata**, 8, 15 & 20 in.....\$12, \$15 & 25.00  
**Olea Fragrans**, 6, 10 & 20-15 in.....\$8, \$12 & 20.00  
**Oranges & Lemons**, grafted on dwarf stock, blooming size, stocky, 10-12 & 15-18 in.....\$25 & 40.00  
**Otaheite Orange**, bushy, 10 & 12-15 in.....\$8 & 15.00  
Stock of above all pot-grown, ready now to ship, and in best possible condition.  
**FIELD-CROWN ROSES**, including 100,000 M. Niel, budded; Fruit and Ornamental Trees, Rare Conifers, etc. Send for Trade List and Descriptive Catalogue.

**P. J. BERCKMANS,**  
Fruitland Nurseries, AUGUSTA, GA.  
Mention American Florist.

**Grevillea Robusta.**  
Strong, 3-inch.....per 100, \$4.00  
**PROBST BROS. FLORAL CO.,**  
1017 Broadway, KANSAS CITY, MO.

**Complete Catalogue**

OF  
Fruit Tree Stocks, Ornamental Trees,  
Shrubs, Evergreens, Roses, Etc.

Grown by  
**P. SEBIRE & SONS,**  
USSY, (Calvados), FRANCE,  
will be mailed on application to their sole  
Agents,

**C. C. ABEL & CO.,**  
P. O. Box 920. NEW YORK.  
Mention American Florist.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

# JOHN YOUNG

## OFFERS

The Finest Line of AMERICAN BEAUTY, METEOR, BRIDE, BRIDESMAID, MORGAN, and Other Popular Roses.

## Carnations and Chrysanthemums.

Headquarters in New York for LILY OF THE VALLEY, VIOLETS, and ASPARAGUS.

All ready now for out-of-town shipping orders. Mail, Telegraph or Telephone.

## JOHN YOUNG,

51 West 28th Street, NEW YORK CITY.

## PALM SEEDS

VERY IMPORTANT: WE REPLACE ALL PALM SEEDS NON-CERMINATING.

	100	1000
K. FORSTERIANA.....	\$1.25	\$7.50
PHOENIX CANARIENSIS.....	.50	3.00
" TENUIS.....	.60	4.00
WASHINGTONIA ROBUSTA.....	.25	1.50
BRAHEA FILIFERA, \$1.00 per lb.		
JUBAEA SPECTABILIS, the hardest		
Palm of South America.....	1.25	10.00
ACROCOMIA TOHAITY, new, beautiful.		
DRACAENA AUSTRALIS.....	1.75	15.00
" NUTANS.....	.40	3.00
" INOIVISA.....	.25	1.50
BAUERI.....	.50	4.50
ARAUCARIA IMBRICATA just arrived		
in splendid condition.....	2.00	15.00

Chas. Schwake, 404 E. 34th St., New York.

## Adiantum Farleyense Fern

	Per doz.	Per 100
3-inch.....	\$3.00	\$20.00
4-inch.....	5.00	40.00
5-inch.....	9.00	75.00

We have the finest and largest stock in the west.

**BAKER BROS.,**

P. O. Box 72. KANSAS CITY, MO.  
Always mention American Florist.

CLEMATIS, large fl'g, best kinds,	doz.	per 100
	\$3.00	\$22.50
PÆONIES, fine Ass't, named.....	1 25	8.00
POET'S NARCISSUS, double		
white, large stock.....		.75
SMILAX, 2½-in., fine plants.....		1.50
DOWNING GOOSEBERRIES, best gro'n, 2.50		
F. A. BALLER, Bloomington, Ill.		
Mention American Florist.		

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses. 100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

## ONE THOUSAND CAR LOTS OF OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts. 100,000 Nut bearing trees.  
150,000 Pear, standard and dwarf. 2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR. 1000 ACRES. 29 GREENHOUSES.

**THE STORRS & HARRISON CO.,** PAINESVILLE, OHIO.

## THE WHITE CANNA CAN NOW BE SEEN

In its full glory, notwithstanding the severe drought, at our Mr. Wintzer's farm at West Grove, Pa. Also the NEW PURE ROSE, PURE PINK, PURE YELLOW, and other remarkable Cannas that will be offered by us for the first time this season. The White Myrosma also in full bloom now. The New Golden Cosmos, The Crimson Spiraea, THE BLUE SPIRÆAS, Tecoma Smithii, Solanum Rantonnetii, and other Novelties in Plants.  
Headquarters also for The Strawberry Raspberry, The Raspberry Blackberry, The Mayberry, Stanley Raspberry.

**ROSES.** Crimson Rambler, \$6.00 to \$15.00 per 100. Magna Charta, 2 to 3 feet, \$6.00 per 100. Tennessee Belle, 4 to 5 feet, \$6.00 per 100. Baltimore Belle, 4 to 5 feet, \$6.00 per 100. Meteor, 1 to 2 feet, \$6.00 per 100. CAROLINE TESTOUT, finest plants in the country, \$10.00 per 100. Not less than 100 at these prices.  
Black Callas, \$6.00 and \$8.00. Spotted Callas, \$3.00 and \$5.00. Purple Callas, \$3.00 per 100. Little Cems, \$5.00 per 100.

Send for Catalogue of Novelties in Plants. Jardinieres and Flower Pots for the trade.

**A. BLANC & CO.,** 314 & 316 N. 11th Street, Philadelphia, Pa.

## TREE PÆONIA,

Rhododendrons, Hardy Azaleas, Clematis, H. P. Roses, Magnolias, Paeonias tenuifolium fl. pl., etc.

All strong, field-grown stock.

Ask for Prices.

**L. C. BOBBINK,**

**RUTHERFORD, N. J.**

When writing mention the American Florist.

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**  
1708 N. Halsted St., CHICAGO

Toronto.

One of the big department stores last week had a "Harvest Home"—an advertising fake. Large quantities of cut flowers, mostly chrysanthemums and palms, were used in the decorations. C. Tidy supplying the former and H. Slight the latter. There was no fake about them.

Chrysanthemum bloom is coming in with a rush now, and prices have declined somewhat, though the demand is still good. One of the florists who sells on the market told me he bought a lot of good bloom at \$2.50. I expect this is an extreme case though.

It seems as if the Toronto show will this year come at exactly the right time to catch the best exhibition bloom; early sorts will of course be over, but the medium and most of the late ones will be in full feather. The opening on Tuesday afternoon promises to be quite a fashionable affair, and should advertise the show well for the rest of its time. The weather for the last few days has not been of a desirable kind for flower shows. Cold and wet, but the executive committee has been instructed to secure it fine and cool during the show week.

The grounds in front of the new Parliament Buildings are undergoing considerable improvement now, and not before it was time. Mr. Houston is planting some large beds of tulips and hyacinths on the Government part, and Mr. Chambers will do the same on the city part. E.

"Crape Pullers."

"Crape Pullers" is the name given to the class of florists in Kansas City who make a practice of soliciting their wares at an unseemly hour, i. e., the hour of death. It seems incredible that men can be so lost to a sense of decency and delicacy of feeling as to inflict their presence on a grief stricken household, shed crocodile tears, and while expressing deep sympathy (?), insinuatingly mention their business, but such contemptible practice is resorted to by a certain number in the florist business. They are a gangrenous ulcer to the trade, as by their despicable mode of procedure they not only defile themselves but besmirch the better class as well, as it tends to bring the florist business into ill repute. Some steps should be taken to eradicate such lepers from the community. Let it be mentioned to the credit of the better class that such practices are by them decried and the promoters thereof are held in utter contempt.

Mention has heretofore been made of similar practices elsewhere, but it is only lately it has developed in Kansas City, or at least only recently we have become cognizant of its existence, and we sincerely hope that it will be shortlived. It is a pernicious way of doing business and can only be productive of evil results.

H. F. Co.

[The best way to reach these fellows is to ask the assistance of local daily press. The dailies reach the people, and if the people are warned against the ghouls their business will soon be unprofitable. The managers of the daily press are nearly always glad to take up a matter of this sort, but be sure you make it plain that the "crape puller" is merely a pirate and is not recognized as a legitimate member of the trade.—Ed.]

THE preliminary spasms of the annual chrysanthemum jim-jams have begun.—Chicago Tribune.

# LILY OF THE VALLEY PIPS.

## LATEST REPORT FROM GERMANY.

"Only a two-thirds crop. Prices have advanced 25 per cent., and are going higher."

Order at once if you have not already done so, or anticipate the increased demand by planting an additional quantity.

**OURS ARE THE LARGE FLOWERING HAMBURG VARIETY, THREE YEARS OLD. THE BEST QUALITY GROWN IN GERMANY, AND ARE NOW READY TO SHIP.**

The exceedingly small quantity of good pips now on the market unsold, owing to partial failure of crop, will be taken up at once. Our pro-rata share of delivery leaves us a limited quantity which we offer until sold.

PER CASE 2500 PIPS.....\$22.00  
PER 1000..... 9.00

# AZALEA INDICA.

We have still a limited quantity of a recent importation of

## GHENT AZALEAS

in excellent condition. Plants are nicely shaped, well set with buds, and certain to give every satisfaction.

To secure a supply of this stock and receive the benefit of the importation prices, orders should be placed at once before the plants are potted.

We offer the following sizes at prices attached:

	Doz.	100.
10 to 12-inch heads.....	\$ 4 50	\$ 35 00
12 to 14 inch heads.....	7 50	60 00
14 to 16 inch heads.....	15 00	100 00
16 to 18 inch heads.....	18 00	125 00
18 to 20-inch heads.....	24 00	200 00
20 to 24-inch heads.....	30 00	

each, \$3.00.

## PITCHER & MANDA, INC.,

Short Hills, N. J.

Mention American Florist

## Herr's Pansies.

Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

FIELD CROWN CARNATIONS, fine plants, reasonable prices.

L. B. 496. ALBERT M. HERR, Lancaster, Pa.

### ASSIGNEE'S SPECIAL SALE OF HARDY AMERICAN ORNAMENTALS.

To as speedily as possible overcome the embarrassment which necessitated an assignment I offer for immediate sale at a great sacrifice the entire stock of the well known HIGHLANDS NURSERY, comprising millions of well grown Native Trees, Shrubs, Bulbs, Vines and Herbaceous Perennials in all sizes. All reasonable offers will be entertained.

I am prepared to quote, under the above conditions, on stock for large and small plantings (for immediate or spring shipment), specially inviting correspondence from Nurserymen and Park and Cemetery officials.

AS ALL ORDERS WILL BE BOOKED AND FILLED STRICTLY IN ROTATION as received, early attention is requested that selected stock can be reserved; furthermore, the above conditions of sale will hold only till sufficient orders are booked to authorize a return to usual prices.

Such an opportunity to select from what is conceded to be the FINEST STOCK OF HARDY NATIVE AMERICAN PLANTS in this country will hardly be presented again and prompt correspondence is urged for mutual interests. Address THOMAS E. PARKER, Highlands Nursery, Kewanee, N. C.

Assignee for Harlan P. Kelsey.

## SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

G. A. MARVIN,  
MATHER, WIS.,

Will sell choice PACKING MOSS baled in burlap 50 CENTS PER BALE, or in wire 80 CENTS PER 100.

## New Extra DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20 varieties, for only \$2 by mail.

CASH WITH ORDER.

S. O. STREBY,

Lock Box 77,

UPPER SANDUSKY, OHIO.

When writing mention American Florist.

## GERANIUMS, ROOTED CUTTINGS.

OVER 22,000 NOW READY.

Double, Semi Double and Single, of the best bedding sorts—largely the finest semi-double and single scarlets. White, pink, salmon, and dark crimson in proportion. Also a very choice collection of fancy blooming sorts.

Labeled, at \$1.50 per 100; \$12.00 per 1000. Without labels, \$10.00 per 1000. List of names sent if desired. Stock grown by Daniel K. Herr.

Address all communications to

ALBERT M. HERR,  
LANCASTER, PA.

L. B. 496.

# E. G. HILL & CO. RICHMOND, IND.



DAYDAWN.

## E. G. HILL & CO., Richmond, Ind.

### CARNATIONS

After the early chrysanthemums are thrown out, many florists plant carnations. We have a few thousand good plants heeled in, in the cold house, suitable for this purpose.

MME. DIAZ ALBERTINI, ADA BYRON,  
\$5.00 per 100.

GARFIELD, ROSALIND,  
HINZE'S WHITE, MRS. CARNEGIE,  
UNIQUE, MRS. F. MANGOLD,  
\$4.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

### CARNATIONS

Cut Blooms at Wholesale.

FIELD PLANTS AND ROOTED CUTTINGS  
IN SEASON.

C. J. PENNOCK,  
The Pines. KENNETT SQUARE, Chester Co., PA.

### IT WILL PAY YOU

to plant CARNATIONS after your early Chrysanthemums are out. We have a fine stock of medium sized plants of Wm. Scott Carnations in cold frames at \$6.00 per 100; \$50.00 per 1'00. Cash with order. All other kinds sold out.

GEO. HANCOCK & SON, Grand Haven, Mich.

### CARNATIONS, Strong Plants in Cold Frames.

EDNA CRAIG, MME. ALBERTINI, FRED. DORNER, WM. SCOTT, BLANCHE, MRS. FISHER, \$6.00 per 100.  
SILVER SPRAY, RICHMOND, MRS. REYNOLDS, MRS. HITT, GARFIELD, PORTIA, MCGOWAN, \$4.00 per 100.  
Terms, cash with order.

JOSEPH HEINL, Jacksonville, Ill.

## ...No Guessing

CALLA LILIES, 1 1/4 to 1 1/2, fine roots.....per 100 \$5.00  
LILY OF VALLEY, 3 year old pips, ready for delivery.....per 1000 9.00  
TOBACCO STEMS .....100 lb. bale 1.25  
BAMBOO CANES, fresh from the brakes .....per 1000 7.00  
SPIRAEA JAPONICA, fine for forcing; ready for delivery.....per 100 3.50

WM. ELLIOTT & SONS, 54 & 56 Dey Street, NEW YORK.

### 40,000 CARNATIONS.

Field Grown.

	PER 100
DAYBREAK.....	\$5 00
NANCY HANKS.....	5 00
LIZZIE MCGOWAN.....	5 00
SILVER SPRAY.....	5 00
AURORA.....	4 00
HELEN KELLER.....	7 00
FRED CREIGHTON.....	4 00
VIOLETS, MARIE LOUISE.....	5 00

All good strong healthy plants.

ROGERS PARK FLORAL CO.,

41 WABASH AVE., CHICAGO.  
Mention American Florist

### CHRYSANTHEMUMS

All the best new and old varieties.

Send for List to

EDWIN LONSDALE,

Chestnut Hill,

Philadelphia.

### Preliminary Announcement.

We have everything good and new in Chrysanthemums from England, France and Japan, as well as American novelties.

E. G. Hill has taken pains to post himself carefully as to the standing of the various novelties certificated this fall, and will be glad to give his customers the benefit of this knowledge.

We shall have a few first-class novelties to offer March 1, 1896, as well as a collection of the best from other specialists.

In response to many inquiries, MRS. PERRIN, the rose-colored prize-winner, will be sent out March 1 at \$35 per 100; the new large early white, DAYDAWN, at the same time, at \$25 per 100.

The quality of the goods speak for themselves. Compare our figures on the following:

MUSHROOM SPAWN, ELLIOTT'S MILLTRACK.

A fresh importation. Mail 10 cts. in stamps, for sample. lb. 10c; 100 lbs. \$8.00

### CARNATIONS

Strong Field-Grown Plants at a Bargain.

500 UNCLE JOHN.....\$5.00 per 100  
500 E. A. WOOD.....5.00 per 100  
300 ALBERTINI.....5.00 per 100  
We are sold out of all other varieties.

FRED DORNER & SON, La Fayette, Ind.  
Mention American Florist.

ALEX. McBRIDE,  
Carnation Grower  
ALPLAUS, N. Y.

Peter Fisher, ELLIS, MASS.  
NEW AND TESTED  
CARNATIONS.

### CARNATIONS A SPECIALTY.

Rooted Cuttings, Young Plants, Field Grown Plants in season. Write for prices.  
GEO. HANCOCK & SON, Grand Haven, Mich.



## Worcester, Mass.

A decided improvement in trade was very evident last week, rendered more conspicuous, perhaps, by a large amount of funeral work. Possibly the influence of brilliant show windows, made attainable by the advent of the chrysanthemum, may have done something to loosen the purse strings of the public, or perchance we are to have a good season. 'Mums have reached their relative position in the category of florists' flowers, and big prices are more the exception than the rule, but they sell, and at living prices, and so we must grow accordingly. White flowers were rather short, with the exception of 'mums; carnations especially so, but with continued bright weather we will soon have an abundance. Roses still continue good in quality and quantity, and though Beauties are not in evidence, we have A1 Brides, Mermets, Perles and Gontiers. Some very fair mignonette is to be seen in small lots; violets are still scarce.

The only social event of the week was the White reception, which brought out a nice decoration by Wesson. Mr. Palne, who has been in charge of the flower department of the Boston Store since its commencement, has retired, his position being taken by one of the women clerks, an evidence perhaps showing that the profits of the "flower department" have not been burdensome. A. H. L.

## Utica, N. Y.

Quite a number of greenhouse plants have been remodeled and improved during the past few weeks, and new houses added. Among those who have built additional houses the following may be mentioned:

R. Campbell, one carnation house 10x100.

S. Whitton, four 20x100 houses for miscellaneous stock.

J. C. Biglow, one fair sized house for miscellaneous stock. McClean, two fair sized houses. J. C. Spencer, a 10x125 carnation house, this being the first and only house in Utica with butted glass. Mr. Spencer has also erected a handsome office in connection with his greenhouses, and has made many other important improvements about his entire plant. X.

DO YOU WANT a complete alphabetical list of chrysanthemums in commerce in America, with class, and brief, accurate description of each? You will find such a list in our trade directory and reference book. Price \$2.00.

## PALMS AND FERNS

and Choice Ornamental Foliage Plants.

VERY LOW PRICES.

JOHN H. LEY, - - Good Hope, D. C.

Carefully packed. Clean, fine plants. Cash with order.

DOZEN	
Latania Borbonica, 5 in. pots, strong	\$ 5.00
Phoenix Rupicola, 7 in. pots, 3 feet	15.00
Caryota Urens, 6 in. pots, 2½ feet	5.00
Corypha Australis, 5 in. pots, ½ feet	3.00
Livistona Hooendorpii, 6 in. pots, each	\$1.00
Dracaena Fragrans, Linden, Massangeana, Amabilis 6 in. pots, fine foliage	26.00 and 10.00
Dracaena, 12 coloring sorts, red, pink, white, 5 in.	5.00
Crotons, 12 fine colored plants, 5 in.	5.00
Adiantum Farleyense, 4 in. very strong	4.00
Adiantum Rhodophyllum, 4 in. very strong	3.00
Adiantum Fulvum, 4 in. very strong	1.00

P. O. Orders: Anacostia, Washington, D. C.  
JOHN H. LEY, Good Hope, D. C.

## PANSY PLANTS.

White and yellow, 50 cents per 100.  
FINE PRIMROSE PLANTS, 4-inch pots ready to bud, assorted, \$5.00 per 100.

W. B. WOODRUFF, Florist, Westfield, N. J.

# New Chrysanthemum

## MRS. WM. C. EGAN.

A large variety of the Ada Spaulding type but much larger, more perfect in build and has greater depth. The color—crimson pink at the base, shading at the apex to pale sulphur, suffused with straw buff on outside of petals. An excellent keeper. Height 3½ feet; good growth and fine foliage. First flowers were cut Oct. 28, but can be had much earlier. It has also proved one of the best to be grown to single stem plants. *First Prizes wherever exhibited.*

FIRST-CLASS CERTIFICATE AT CHICAGO, NOV. 2.

" " " AT CINCINNATI, NOV. 2.

" " " AT CHICAGO SHOW,

and also SILVER PREMIUM for best Seedling Chrysanthemum exhibited at this show.

FIRST-CLASS CERTIFICATE AT INDIANAPOLIS SHOW.

## F. DORNER & SON,

La Fayette, Ind.

THE NEW 'MUM...

# ....PHILADELPHIA

is admitted by all to be the finest flower yet produced in Chrysanthemums. Orders now received for stock plants. \$3.00 per dozen.

HUGH GRAHAM, 1204 Chestnut St., Phila, Pa.



STOCK PLANTS CHRYSANTHEMUMS.

Write for Price List  
D. WM. BRAINARD, Florist. Thompsonville, Conn.

When writing to any of the advertisers on this page please mention the American Florist.

## Chrysanthemums.

Prize Winners at the Boston Show, 1895.

FOURTEEN VARIETIES, STRONG PLANTS  
20 Cents each, the Set \$2.00.

CASH WITH ORDER. POSTPAID.

Philadelphia.	Miss Gladys Spaulding.
M. Richard Dean.	J. H. Troy.
Sunrise.	Mayflower.
Mrs. H. Robinson.	Mrs. Higginbotham.
Helen Bloodgood.	Miss Louise D. Black.
Jean Delau.	Robert Owen.
Mrs. E. C. Walecott.	Minerva.

Twelve Prize Anemone, Flowered - \$1.25 Postpaid  
Stock plants of fifty leading varieties, 20 cents each, express.

J. W. HOWARD,

330 Broadway Somerville, Mass.

## CHRYSANTEMUMS.

80 New Varieties, including

Miss M. M. Johnson, J. E. Lager, Philadelphia, Minerva, Marie Louise, J. H. Troy, Mrs. Henry Robinson, Sunrise, Miss G. Pitcher, John Shrimpton, Royal Windsor, Mrs. S. T. Murdoch, J. W. Klemm, Miss F. Pullman and Zelinda. Fifteen plants for \$1. Send for catalogue. Address

M. B. LITTLE, Cienas Falls, N. Y.  
Mention American Florist.

# CHRYSANTHEMUM STOCK PLANTS.

We offer the following choice varieties at 25 cents per plant:

MISS M. M. JOHNSON, DOMINATION, MRS. E. G. HILL, NIVEUS,	MAJOR BONNAFFON, IVORY, LINCOLN, QUEEN,	DAILLEDOUZE, MUTUAL FRIEND, SUNDERBRUCH, YELLOW QUEEN,	INTER OCEAN, PHILADELPHIA, MINERVA, LADY PLAYFAIR,	VIVIAND-MOREL, WHILLDIN, MRS. JEROME JONES, MRS. HENRY ROBINSON.
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We also offer our new white Mum, MRS. KATE B. WASHBURN.

This is the earliest large white in the market. It is a sport from Mrs. E. G. Hill, and comes in just as early as that variety. The flowers are the same size, and pure white. Plants, in 2-inch pots, ready about April, at 10 cents each. The very early Mums pay the best.

Choice Beauties and other cut Roses, Valley, Smilax, etc., always of the best. Well packed and carefully handled.

## BASSETT & WASHBURN,

HINSDALE, ILL.

CHICAGO STORE:

34 and 36 RANDOLPH ST., corner Wabash Ave.

## Stock Mum Plants.

We have some fine stock plants in 6-inch pots of the following varieties:

Mrs. E. G. Hill, Jos. H. White, Pres. Smith,  
Mrs. Whilldin and Jessica, 75c per doz.  
Major Bonnaffon, E. Dailedouze, \$1 per doz.  
Marion Henderson and Ivory, \$1.50 per doz.

W. W. COLES,

Kokomo, Ind.

For the next 30 Days

## CHRYSANTH. Philadelphia,

The Great Prize Winner. Per doz. Per 100  
Strong 3½-inch, single stem, \$1.00 \$8.00  
Nice, 2½-inch, plants in bud, .75 6.00

## 5 GREAT HARDY ROSES,

from 2½-inch pots: 12 to 18 inches high.

Champion of the World (Mrs. Degraw), \$2.50 per 100  
Gloire Lyonnaise, hardy yellow, . . . 3.00 "  
Vick's Caprice, hardy, striped, . . . 3.00 "  
Mary Washington, hardy climber, . . . 2.50 "  
Crimson Rambler, new climber, . . . 6.00 "

PANSIES—Strong, transplanted from best European seed, 75c per 100; \$6.00 per 1000.

JOHN A. DOYLE, Springfield, O.

## Chrysanthemums & Carnations

CHRYSANTHEMUMS, in bud, 5 or 6 inch pots @ \$2.00 Per doz.  
" " in bud, 4-inch pots . . . @ 4.00 Per 100  
CARNATIONS, assorted colors 5 inch pots. . . @ 8.00

## PALMS, FERNS, SMILAX.

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 4 & 5-inch \$5.50, 20 for \$8; 6-inch for \$5. All good selected varieties. Special sale: Choice FERNS, \$5.00 and \$6.00.

SMILAX, fine plants in 2½-inch pots, \$2.00 per 100.

LABELS, MOSS, ETC.

WILLIAMS & SONS CO., Batavia, Ill.

Mention American Florist

## CHRYSANTHEMUMS.

### LARGE STOCK PLANTS.

IVORY, WANAMAKER, MRS. JEROME JONES  
5c each; 50c per dozen.

KATE BROWN, MRS. WHILLDIN, LINCOLN,  
MAJOR BONNAFFON, E. DAILEDDOUZE,  
MAUD DEAN, GOOD GRACIOUS,  
8c each; 75c per dozen. Cash.

E. FRYER, R. R. Ave. cor. Hill St., Brooklyn, N. Y.

## Stock Plants of CHRYSANTHEMUMS

All the very best varieties of recent introduction, including

NEMESIS, best early Pink, 50c. YELLOW QUEEN, best early yellow, 25c. MAYFLOWER, the best White ever introduced, 35c. PHILADELPHIA, Etc.

Also, all the cream of the older varieties in fine, strong, healthy plants, at 25 to 50 cents, according to newness of varieties.

## JOHN N. MAY,

Summit, New Jersey.

## New Chrysanthemums for 1896.

OCTOBER QUEEN—A beautiful pure white, incurved, height 3 feet, maturing with Mme. F. Bergmann. Recommended for certificate by the Chicago and Cincinnati committees.

SUN-GLAD.—An exceptionally bright yellow, maturing Oct. 20th to 25th. We predict a brilliant future for the variety. Recommended for certificate by the Chicago, Cincinnati and Boston committees, also receiving certificate at Chicago and Indianapolis as best yellow.

LENAWEE.—An incurved, pure white, surpassing the Queen in beauty; is just as large, and, as it does not drop its petals, is a better shipper. Certified by the Chicago and Cincinnati committees.

A descriptive list of these, and possibly others, will be ready Dec. 1st.

NATHAN SMITH & SON, Adrian, Mich.

## CHRYSANTHEMUMS.

Stock plants, strong clumps, PHILADELPHIA, 50 cents each.

Miss M. M. Johnson, Nemesis, J. H. Troy, J. E. Lager, Mrs. Henry Robinson, Mrs. J. B. Parker, Jr., Sunrise, and all other Novelties of the season, 25 cents each.

Yellow Queen, Lady Playfair, Mayflower, Bergmann, G. Bramhall, Minerva, H. Sunderbruch, and all good Standard varieties, 25c each.

Cash with order.

FRANK McMAHON, Seabright, N. J.

## EARLIEST LARGE FLOWERING CHRYSANTHEMUMS

### MARQUIS DE MONTMORT,

Much in the way of Vivian-Morel. Ready to cut Sept. 29th, 1895. Stock plants 50 cts. each; \$5.00 per dozen.

### MERRY MONARCH,

Earliest large white, cut on October 9th. Best early white to date. Price, 50 cts. each; \$5.00 per dozen.

NEMESIS, MISS M. M. JOHNSON, J. H. TROY, PARKER, Jr., 50 cents each; \$5.00 per dozen. MARION HENDERSON, MAJOR BONNAFFON, MADAME F. BERGMANN, YELLOW QUEEN, and all the staple varieties, 25 cents each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

DAILEDDOUZE BROTHERS, Flatbush, N. Y.

When writing mention the American Florist.

## Chicago.

This city has suffered from an overloaded market during the past week, both prices and demand being poor, and although there were signs of improvement they are not enough, at time of writing, to give an upward tendency. There has been a marked glut in roses, especially Brides and Bridesmaids, which bring \$2. Meteor sells better, and good stock is held at \$3. The only variety that has not suffered is the Beauty, and the demand for this stock is good and steady. Carnations have shared in the depreciation, the best bringing \$1 to \$1.50. It is rather odd to find that chrysanthemums are selling well, and there is no sign of a glut yet; yellow is the favorite color. The best bring \$2 to \$3 a dozen, second grade \$1 to \$1.50, and southern stock \$4 a hundred. There are few really good pink varieties to be seen; Mrs. Jerome Jones seems to be trying to get into the pink class, as a number of the flowers sent in have quite a marked rosy tint. Dailledouze and Bonaffon are seen in fine quality. Violets are more plenty and sell for 50 to 75 cents; valley is back to \$4 again. Many growers are cutting very heavy rose crops just now, and this combined with small demand causes the glut. Shipping trade is looking up a little, and it is likely that better conditions will prevail next week, when the season of grand opera opens.

Moved by its sense of superiority to those green chrysanthemums at Battery D last week, a plant of Tuxedo at J. C. Vaughan's, Western Springs, has gone and produced a number of real, dyed in the wool, green blossoms without the assistance of any cosmetics. J. S. Wilson is nursing the aspiring plant very carefully in the hope of perpetuating this peculiarity.

Mr. T. J. Corbrey left for Los Angeles the last week in October, and intends to stay there until spring.

Mitchell & Miller, of Hinsdale, are building a house 574x50 feet for forcing vegetables. They expect to add florists' stock later.

Recent visitors: G. F. Crabb, of Crabb & Hunter, and Henry Smith, both of Grand Rapids, Mich.

## Bradford, Pa.

A fine and most attractive store has been recently equipped by Mr. W. C. Rockwell in the old Oil Exchange Building, in the principal part of the city. It is a spacious room, with a high ceiling, attractive show windows, neatly finished and elaborately furnished. A handsome ice box 6½x7½ and 10 feet high, with mirrored walls, white painted shelving and floor, incandescent light, and French plate glass door, is one of the chief attractive features about the store. Mr. Rockwell has added a 16x100 violet house, and has given his entire plant a thorough overhauling, making many extensive repairs and improvements. He is experimenting on a bench of California violets, with results thus far highly satisfactory. It is his opinion that the California violet is destined to rank with the best and most desirable varieties grown.

X.

## Pandanus Veitchii

WE HAVE SOME EXTRA FINE PLANTS TO OFFER AS FOLLOWS:

5-inch pots.....\$1.00 each  
6-inch pots.....2.00 each  
7-inch pots.....3.00 each

F. DORNER &amp; SON,

CASH WITH ORDER.

La Fayette, Ind.

## A Complete Line of Florist's Supplies

BASKETS, SHEAVES, PALM LEAVES,  
DRIED GRASSES AND BOUQUETS, METAL  
AND PORCELAIN LEAVES, FLOWERS AND  
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1,500 EXCELSIOR PEARL TUBEROSES, 3 to 4 inches in circumference,

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## Wisconsin Flower Exchange, CUT FLOWERS, PALMS, FERNS,

Wild Smilax, Evergreen, Cut Ferns, Pines and Holly.

We are prepared to make you very satisfactory terms on the above, which are now ready; also on

**SHEEP MANURE, MOSS, WILLOW PLATEAUS  
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So Do Florists' Supplies, If Bought in the Wrong Market.

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They Will Tell You That

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Gives Full Value,

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Other Houses Cannot Approach Our Figures on Equal  
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READY NOW FOR FALL TRADE: *Cape Flowers, best we ever had. New Importation  
of Cycas Leaves, Moss Wreaths, Immortelles, Fresh Statice, Sheaves, Baskets.*

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**PREPARED CYCAS LEAVES**

Imported Stock, Best in the Market,  
From 25c up to \$1.50 per pair. Also, all other  
kinds of

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Wild Smilax, Cut Palm L. J. KRESHOVER,  
Leaves, Needle Pines, 112 West 27th Street,  
Grey Moss, Etc. always on hand. NEW YORK.

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**A SUPERB STOCK**

OF

**KENTIAS**

**ARECAS**

**LATANIAS**

**ARAUCARIAS**

**PANDANUS**

AND OTHER

**Decorative Plants.**

Come and see for yourself.

**ROBERT CRAIG,**

49th and Market Street,

PHILADELPHIA, PA.



## St. Louis.

The market is overstocked with flowers of all kinds, and business has been slow during the past week. We have the biggest glut of roses this market has ever had just now; every grower's crop is on and with the chrysanthemums in full force the wholesaler looks blue. Only the very best of roses are picked out by the dealer every morning, and the rest are dumped; same can be said of the mums. The best and large blooms bring a fair price and the smaller ones can't be given away, only the white ones of the small varieties can be sold for funeral work. Carnations hold their own and some very fine blooms are coming in now; Scotts and Daybreaks are the best sellers, violets sell just as good as ever; good smilax is a little scarce. Prices remain just about the same as last week.

Our show opens this week, but too late to say much about it in this issue. Manager Michel has issued invitations for a private view of the show on Wednesday from 4 to 7 p. m., and distributed them among the florists for their friends and customers. This was a move in the right direction, as the hall was crowded with the flower lovers of St. Louis. Every exhibit was in place by 3 p. m. From the looks of the hall this will be the finest show St. Louis has ever had. The orchestra was under the leadership of G. B. Vogel of the Olympic Theatre.

Frank Gutzman, on returning home last Wednesday night, found two men in his greenhouses carrying out plants. Frank captured one of them and turned him over to the police. On going back he found that a large quantity of his plants had been removed from their places and piled in a convenient spot to be carried away. Frank will look up after this.

H. W. Chandler, Jr. is the happiest man in town just now, "it's a boy."

The meeting of the club was not held Thursday afternoon on account of the show, but will meet the next Thursday afternoon, November 21, and the president expects that every member will be present and hear the essays of Messrs. Michel and Ude.

Wm. McKellar of Chillicothe, Ohio, was a visitor last week. Mr. McKellar was a resident of St. Louis some 35 years ago, and employed at the time with the old firm of Coleman & Sanders. He found Mr. Coleman and Mr. Sanders at the same place, but not in business.

J. J. B.

## Chrysanthemum Marion Henderson.

This year's record is a favorable experience, simply on its own merits, the best standard to judge any variety. I regard it commercially as the most valuable extra early yellow, all things considered. It is fit to cut but a day or two after Bergmann, and durable even along to mid-season. A rather graceful flower with reflexed and twisted petals, good fair size, and an excellent keeper. It is also easy to grow, prolific, natural growth about two feet. G. P. R.

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FOR THE NEW CATALOGUE.

	PER 100
Butterfly Lily, white, fragrant, large flowers.....	\$2 00
Hardy Orange (Citrus trifoliata), 1 to 3 feet.....	\$10 per 1000, 2 00
Water Poppy.....	2 00
Dwarf Banana, strong roots.....	8 00
Nymphaea odorata gigantea, Hardy Florida Water Lily.....	3 50
Parrot's Feather, fine hanging basket plant.....	1 00

Large stock of Hardy Spider Lilies, Crinums, Amaryllis, etc., at bottom prices. Let us quote on your list. The above for immediate acceptance.

## XMAS GREEN.

Palmetto Leaves, long stems.....	1 50
Palmetto Crowns.....	10 00
Magnolia Foliage.....	\$2 per bbl.
Spanish Moss.....	\$4 per bbl.
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All these first-class specimens of their kind, carefully packed, delivered f. o. b. Low express rates.

Let us Book your Orders Now.

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## CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery from March 1st. Cultivated Cycas always on hand, rooted and well established, at low prices.

Lil. Auratum, Spec. Rubrum and Album, Etc.  
Iris Kæmpferi, in 100 choice varieties.  
Japanese Maples, in best varieties.  
Camellias, Peonies, Tree Ferns, Rhapis, Etc.  
Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

## F. Gonzalez &amp; Co.

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DRACAENA INDOVISA, fine plants for grow-	Per 100
ing on, 3 1/2 inch pots.....	\$6.00
2 1/2-inch pots.....	3 00
ADIANTUM CUNEATUM, 2 1/2-inch.....	2 50
DRY CALLA ROOTS, fine home grown.....	5 00
ROOTED CUTTINGS VINCA V. R.....	1 00
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PANSY PLANTS, fine, stocky, per 1000.....	\$4.00
CASH WITH ORDER.	

THE OAKS GREENHOUSE CO.,  
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## CHRYSANTHEMUMS.

	Per doz.	Per 100
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STRONG PLANTS, ready now, \$2.50 per 500; \$4.00 per 1000. Discount on large orders. Free on board express here.  
Also SEE as usual. Cash with order. Full value in return.

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CINNAMON VINE BULBULETS, \$1.00 per 1000.  
ROOTS, \$3.00 per 1000. I have a surplus and can and will furnish them for LESS than they can be procured elsewhere. Write at once and tell me how many you want. Address

FRANK FINCH, Clyde, Wayne Co., N. Y.

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## Order Now.



## Metal Floral Designs.

For the Holiday Trade.

Full particulars quoted on pages 25 and following of our New Fall Trade List for 1895, or leave the assortment to us, stating money you wish to invest, and indicating your wants. Our Collections for Ten, Fifteen, Twenty, Thirty Dollars, and more cannot be surpassed.

We call your attention to our

## New Weatherproof Wreaths

of green foliage and specially prepared flowers quoted and described on page 3 of our list. They are cheaper than Metals and look more natural.

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The best, well-berried Delaware stock, specially gathered and put up for our trade. Single cases, \$5.00 net; larger quantities, \$4.50 net per case.

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In A1 quality, we offer in original-weight bags of about 40 lbs. at rate \$8.00 net the 100 pounds.

Special Xmas Collections of



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Plain and fancy, in many new and tasteful styles. Composed of the best and latest designs in Celluloid, Raffia and Care, tinted tate, braid and other finishes.

Collection A for Fifteen Dollars.

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## August Rölker &amp; Sons

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## SLUG SHOT KILLS BUGS!

AND IS USED FROM  
Ocean to Ocean Across This Continent.



### Sold by the Seedsmen.

Have been using it for the past eight years and find it a most excellent insect destroyer. Had some benches containing about 3000 roses infested with sow bugs. Applied one dose to top of soil; the sow bugs disappear d. What became of them I do not know, but this is certain: we can't see any sow bugs in the benches now. Respectfully,  
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Sept. 27, 1895.

Grape Dust. I had it to be the best preventative of mildew on roses I have yet tried.  
Respectfully yours,  
MRS. THOS. LAWRENCE, per J.



For Carnation rust, use either HAMMOND'S COPPER or GRAPE DUST.

Our products are sold by the chief seedsmen of America, and are used by so many people enumeration is out of the question. For pamphlet, address

B. HAMMOND,  
Fishkill on Hudson, N. Y.

### 100 New, Choice and Valuable Plants FOR \$20.

#### A Rare Chance.

To obtain for a trifle a valuable collection of decorative plants in finest condition, and in many rare kinds not often found in trade. Potted on now will be fine specimens for this winter's use; over 100 varieties, correctly named, well packed. F. o. b., cash with order ONLY. Packed same day as order received; 3 and 4-inch pots. Ananassa var., Sphaerogyne, Cyanophyllum, Pandanus, Nepenthes, Maranta, Croton, Dracena, Anthurium, Alocasia, Aralia, Dieffenbachia, Caradocchia, Martinezia, Thrinax, Areca, Kentia, Musa, Pothos, Monstera, Philodendron, Cyperus var., Mikania, Phyllanthum, in finest varieties, and many others.

JOHN H. LEY, Good Hope Hill, D. C.

Postal Orders at Anacostia, D. C.  
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Fine bushy plants of Mrs. Sandilford, Mme. Thibaut, and other fine varieties. 4-inch \$2.00; 2½-inch \$1.00 per dozen.

CASH WITH ORDER.

GEO. W. DOSWELL, Fort Wayne, Ind.

## Seasonable Specialties

.... FALL 1895....

HOW TO GET MORE BUSINESS?  
ADVERTISE FOR IT, OF COURSE!

Will the readers of the American Florist kindly accept this as a personal letter and send me in their orders? Prompt and careful attention at all times.

**RAFFIA** First quality, long Madagascar, fresh consignment just arrived by the S. S. "Maine;" quality must not be confounded with the "short" stock offered in some quarters. Per pound, 18 cents; per 100 pounds, \$15.00.

**MUSHROOM SPAWN** The "W. P." brand, best in the world; third consignment of the season just in by the S. S. "Maryland." On and after this date, Nov. 16th, prices will be as follows: \$6.50 per 100 pounds; \$3.50 per 50 pounds; \$2.00 per 25 pounds; \$1.00 per 10 pounds; 15 cents per brick; \$1.50 per dozen.

**COCOA FIBRE** The best material for drainage, raising seeds, etc. Per bushel, 50 cents.

**THE NEW SHIPPING BOX FOR CUT FLOWERS** This box has now been a year on the market, and grows more popular every day. Extra strong for its weight, braced with cleats outside and inside; has strong brass corners; is the right size and shape box for a commercial box. No. 1, size 36x12x6 inches, in sets of 3, per set, \$2.70; No. 2, size 30x12x6 inches, in sets of 3, \$2.55 per set.

**CLAY'S LONDON FERTILIZER** This world famous fertilizer is indispensable to those who desire the highest perfection in their flowers, plants and vegetables. Composed of concentrated animal matter and entirely different from all chemical manures whatever. Per bag (112 pounds), \$6.00 net.

**GUANO—Genuine "Lobos"** Imported from South America; offered in the original bags; no manipulation. Per ton, \$50.00; per pound (into 5 bag lots), 3 cents. Bags run from 170 to 200 pounds each.

**BULBS** We have some bargains to offer in winter-blooming bulbs at present. Prices and full particulars on application.

**LAWN GRASS, FLOWER SEEDS** Best quality at lowest rates.

**G.C. WATSON**

CLAY'S FERTILIZER, BIRD SEEDS.

IMPORTER OF  
BULBS FOR FLORISTS  
FANCY GRASS SEEDS  
FIELD GARDEN SEEDS  
FLORISTS FLOWER SEEDS

WHOLESALE SEEDSMAN  
AND COMMISSION MERCHANT

43 North 10th St.  
**PHILADELPHIA, PA. U.S.**

## November Snaps.

**ROSES.** Bride, Bridesmaid, LaFrance, White LaFrance, M. Neil, C. Souper, and Rainbow-France, and M. Neil, \$1.25 per 100, \$10.00 per 1000. Strong rooted cuttings of Bridesmaid, Albany, La

**OTAHEITE ORANGES.** 5-inch, 12c; 3-inch, 5c; 2½-inch, \$3.00 per 100, \$25.00 per 1000.

**FERNS.** Pteris Serrulata Cristata, 4-inch, \$1.00 per dozen. **PALMS.** Chamærops Excelsa, 3-inch \$1.00 per dozen.

**GERANIUMS.** B. Bedder, Happy Thought, Mt. Snow, \$3.00 per 100; Mrs. Pollock and Glen Eyrie Beauty, \$4.00 per 100.

**BEDDING GERANIUMS.** About 20 best varieties, \$25.00 per 1000; 2½-inch pots; ready Dec. 1st.

Cash with order, please.

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MAPLE GROVE GREENHOUSES,

Box 280, Springfield, Ohio.

Mention American Florist.

### PANSIES.

THE JENNINGS STRAIN OF FINEST AMERICAN CROWN PANSIES.

Small plants by mail 10c per 100; express \$5 per 1000. Seed of above strain \$1.00 per pkt. of 2500 seeds. Cash with order. **E. B. JENNINGS,** Pansy Grower, Lock Box 254, Southport, Conn.

**TABACCO DUST.** Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.

Vaughan's Seed Store, Box 688, Chicago.

**HOLLY BOUQUET GREENS** GUARANTEED BEST QUALITY. In cases of 16 cubic feet, picked clean, in barrels or bags. Save money and secure prompt delivery by ordering now. Write for quotations.

**L. J. KRESHOVER,**

112 West 27th Street, - NEW YORK.

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## Foreign Notes.

A new and remarkable dendrobe is *D. sanguineum*, recently flowered at Clapton by Hugh Low & Co., for the first time in cultivation. The plant is of the crumenatum type, the flowers solitary in the upper axils, and about one inch long, sepals and petals bright crimson, except at the base, where the front portion is marbled and spotted with the same color on a white ground. The lip is small, undulate in front, whitish, with purple lines and spots. The plant was introduced from Labuan, North Borneo and is likely to require the same treatment as other Malayan sorts.

At a recent orchid sale in England the highest price realized, \$490, was given for a specimen of *Cattleya Mendeli Bluntii*. At another big sale a white *Cattleya speciosissima* went for about \$390, and *C. aurea Hardyana* \$290. A hybrid cypripedium, *Winnifred Hollington*, said to be the only plant in commerce, sold for \$360. *S. Lecanum giganteum* sold for \$85, and *C. Anlingii* \$115. Among bigeneric hybrids *Laelio-Cattleya Arnoldianum* sold for \$75, and *L.-C. Euterpe* \$60. The sale, lasting two days, realised about \$10,000.

A showy new hybrid anthurium is *A. salmoneum*, a cross between *Andreanum* and *Lindenii*. The spathe is very large and rounding, in color rosy salmon, the foliage deep green. It is distinct and attractive, and seems an acquisition to these beautiful aroids. The hybrid was obtained by Mr. Van Wambeke, a Belgian amateur.

## SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—As fireman in greenhouse; six years' experience.  
J. J. HARRIS, South Amherst, Lorala Co., Ohio.

**SITUATION WANTED**—By competent florist, age 30, single, 15 years' experience; has a fair knowledge of bookkeeping. Address G. C., AM. FLORIST.

**SITUATION WANTED**—As foreman in large flower store, by a steady young man; 12 years' experience. Specialty. Good references. Address N. N., care American Florist, Chicago.

**SITUATION WANTED**—By competent florist, in roses, carnations, and bedding stuff. Single, age 27. Good references. State wages. Address FLORIST, 723 S. Laurel St., Richmond, Va.

**SITUATION WANTED**—As foreman by first-class grower of roses, carnations, violets, decorative plants, etc.; a life experience; give particulars. Address FLORIST, 1623 Chestnut St., St. Louis, Mo.

**SITUATION WANTED**—By German, age 28, as florist or gardener; 10 years' experience in growing roses, carnations, violets, mums and general stock. Would prefer private place. Best of reference. Address E. S., care American Florist, Chicago.

**SITUATION WANTED**—By a young man, single, temperate, as assistant in private or commercial place. Would take charge of rose houses. Best of reference. Boston or vicinity preferred. Address Assistant, care AMERICAN FLORIST, Chicago.

**SITUATION WANTED**—A thorough, competent florist with a small family, wants to correspond with party wishing to employ a grower of roses, carnations, chrysanthemums for wholesale or retail trade, by Feb. or March 1st. Eastern States or Canada. Address EASTERN GROWER, care American Florist.

**WANTED**—Thoroughly capable, experienced young man to manage seed and bulb department.  
PITCHER & MANDA, Short Hills, N. J.

**WANTED**—Address of Joseph Reeves, gardener; went to Wisconsin 6 years ago from Toronto, Canada. Address at once to JOHN McKERRIGHAN, College St., Toronto.

**WANTED AT ONCE**—A single young man, as all around greenhouse man; steady and sober. State age, experience, and wages wanted. A steady place and home for the right party. Address C. CRAMER, Salt Lake City, Utah.

**WANTED**—An experienced decorator and maker-up for small store; must be first-class in his line and understand the business thoroughly; only those who can meet the above requirements need apply.  
J. FLEISCHMAN, Hoffman House, New York City.

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CANTON CHINA PLANT-POT.



CANTON CHINA HALL-SEAT OR PLANT-POT STAND

# Plant Pots AND Pedestals.

We invite the attention of intending buyers or those interested in seeing the newest productions of the potter's art to our importations of English, French, German, Japanese and Chinese plant pots or jardinières, selected by our buyers at the places of production the present season.

They include all sizes and shapes up to the large and very large, from the lowest price up to \$150 each.

Some very costly old blue Canton China.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

Wholesale and Retail.

**Jones, McDuffee & Stratton,**

CHINA AND GLASS MERCHANTS,

120 Franklin Street, BOSTON, MASS.



FANCY.



DAGGER.

## EVERGREEN CUT FERNS

ESPECIALLY FOR FLORIST'S USE.

**\$1.25 PER THOUSAND FERNS.**

IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns furnished the year round. Special attention given to supplying the Wholesale Trade.

**BOUQUET GREEN.** For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.

**SPHAGNUM MOSS** a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.**

**HEADQUARTERS**  
FOR  
**Natural**  
Prepared  
**CYCAS LEAVES**  
EQUAL  
TO FRESH CUT  
Prices per Pair  
70¢ 80¢ 90¢ \$1.00 \$1.20 \$1.50  
**AUGUST RÖLKER & SONS**  
136 WEST 24TH ST. NEW YORK

## BRILLIANT GREEN AND BRONZE GALAX LEAVES.

Both colors now in fine condition.

WHOLESALE FLORISTS GENERALLY,  
or write for prices and free samples to

**CHAS. H. RICKSECKER,**  
LINVILLE, Mitchell Co., N. C.

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## KELSEY'S

Brilliantly Colored

## Southern Galax Leaves, GREEN and BRONZE.

We are making heavy shipments now, and all orders by mail or wire quickly sent. Our method of packing saves all rehandling. Case of 5000, \$3.75; 700, postpaid, \$1.00.

Wholesale Florists everywhere supplied.

For full information and free samples, address the INTRODUCER.

**HIGHLANDS NURSERY, Kawana, N. C.**

## LEMON OIL INSECTICIDE,

Used now by the leading Florists.

75c. per quart; \$1.25 per ½ gallon; \$2.00 per gallon; \$9.00 for 5 gallons.

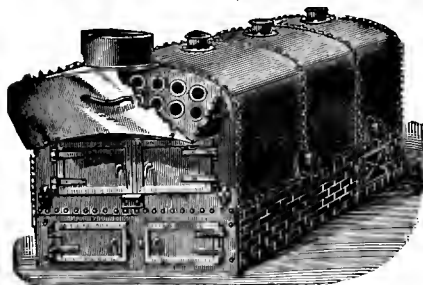
**HENRY F. MICHELL,**  
SEEDSMAN,

1018 Market St., PHILADELPHIA.

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## Kroeschell Bros. Co. IMPROVED Greenhouse Boiler,

41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

Mention American Florist.

THE KINNEY PUMP.



THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island. Only 29 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill. "The most valuable labor saving invention I ever used."—C. E. WELD, Rosindale, Mass.

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## DEATH TO INSECTS

## Rose Leaf

EXTRACT OF TOBACCO.

PRICE REDUCED

5 Gallons for \$5

Louisville Spirit Cured Tobacco Co.,  
LOUISVILLE, KY.

## Horticultural Manure

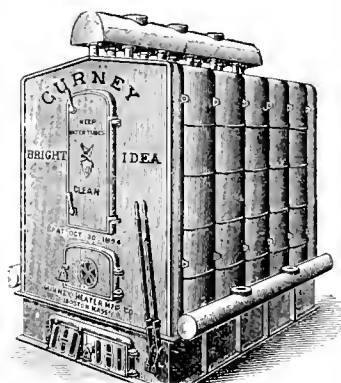
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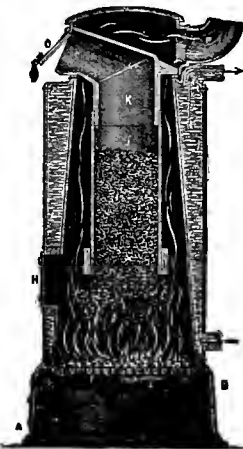
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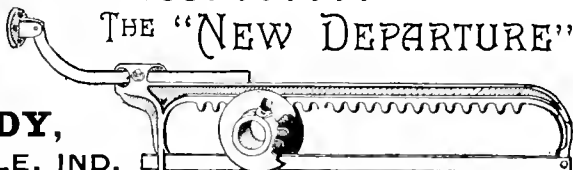
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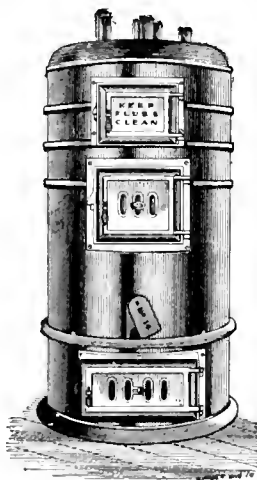
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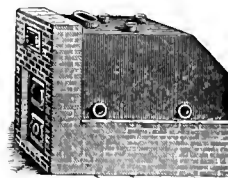
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## New Directory.

A corrected edition of our Trade Directory and Reference Book will be issued Jan. 1, next.

AMERICAN FLORIST CO.

P. O. Drawer 164. . . . . CHICAGO.



## New Notes.

ELGIN, ILL.—H. Schlaack has sold out to Bach & Koebke, who will continue the business.

SAVANNAH, GA.—The city will purchase the old South Broad Street Cemetery and will convert it into a park.

ANNA, ILL.—A meeting of the Horticultural Society of Southern Illinois will be held here November 19 and 20.

ALBANY, N. Y.—Geo. Porter, well known as a horticulturist for the past thirty-five years in Albany, died on Nov. 4, aged 64.

KALAMAZOO, MICH.—G. Van Bochove & Bro. gave a free chrysanthemum show at their greenhouses November 6 and 7.

WEST BRANCH, IA.—N. R. Knight has moved from here to Robertson, Ia., where he will still continue his florist and nursery business.

GREEN BAY, WIS.—The firm of Reinecke & Wendorff has been dissolved by mutual consent. H. M. Reinecke will continue the business at 112 S. Jefferson street.

MIDDLETOWN, O.—Jos. R. Goldman has recently finished building a rose and carnation house 18x100 and propagating house 10x50, with all modern improvements.

SALEM, O.—Joseph E. Bonsall, proprietor of the Garfield Avenue Greenhouses, having recovered his health, again assumes control of the business. Jas. A. Turner has resigned his position as manager.

LOUISVILLE, KY.—Lewis & Gilbert is a new firm that has opened a cut flower store here. Mr. Lewis has been in the business about two years and has just admitted Mr. Gilbert, who is a practical designer.

EFFINGHAM, ILL.—Edward Austin will build a new house 18x50 for roses. He reports business as good with surrounding towns, but local trade rather slow. Has a house of fine carnations which are doing better than usual with him.

CLINTON, IA.—On November 3 fire completely destroyed the potting shed and store house at Andrew Bather's greenhouses and did considerable damage to the adjoining greenhouses. The damage to the building is about \$1,000 and the total loss will be considerably greater as much damage was done to the plants. There was no insurance.

SAVANNAH, GA.—J. Wolf & Co. is a new firm at Ott & Anderson streets. They have 2,000 square feet of glass at present and are devoting considerable space to La France roses, chrysanthemums and bulbs. In all they have 32 varieties of chrysanthemums, Kate Brown being the first white to bloom with them. They report trade as brisker within the last few weeks and that it promises to be good this season.

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## NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

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We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

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Vol. XI.

CHICAGO AND NEW YORK, NOVEMBER 23, 1895.

No. 390

## THE AMERICAN FLORIST

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PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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NEW YORK.—Calvert A. Vaux, the well known landscape architect, is missing. His health has been poor for some time, and much alarm is felt over his disappearance.

PAWTUCKET, R. I.—The business of the late J. Hogan will be carried on by his sons.



## THE EXHIBITIONS.

### St. Louis.

The fifth annual chrysanthemum show under the auspices of a committee composed of F. C. Weber, Emil Schray, R. F. Tesson and E. H. Michel opened on the evening of November 13 in the Entertainment Hall of the Exposition Building. The change of quarters from last year was a big improvement; the seats were all removed from the parquet and dress circle, and then the largest stage gave us all the room we wanted and made a fine appearance. The attendance on the opening was very large. The displays of plants were all in place and ready for the judges on time.

The chrysanthemum plants and cut blooms, taken as a whole, were the best and finest ever shown in St. Louis. The market plants caused the closest competition; those of Mr. A. Jablonsky were judged as the best and got the blue ribbon.

In chrysanthemum blooms W. J. & M. S. Vesey, of Fort Wayne, Ind., were the 'mum kings of the show. Next in order were Michel Plant and Bulb Co., Wm. Schray and C. Young & Sons.

The carnations shown were very fine. Markey Bros., of Fort Wayne, Ind., sent some fine blooms of Alaska which were much admired and took first on white, excluding McGowan. W. J. & M. S. Vesey took two first out of four carnation premiums.

Roses the first day were Wootton, Madame Hoste, Augustine Guinnoisseau, Bridesmaid, Perle, American Beauty and Kaiserin Augusta Victoria; they were much admired and the competition was keen. The greatest number of entries were on Perle des Jardins, there being ten.

The Shaw prizes were all judged the first, but the competition on these prizes was not so great as last year. The exhibition this year was all plants and cut blooms and baskets of flowers; the mantel and table decorations were missing and many an inquiry was made for them by the friends and customers of the florists. It marred the show a little by not having them, but take it as a whole it was by far the best and most successful show ever given in St. Louis, and Manager E. H.

Michel deserves great credit for the way he ran the affair.

Visitors at the show were Martin Renkauf; Simon Skidelsky, M. S. Vesey and W. J. Vesey, W. A. Canfield, W. A. Chalfant, Thos. Summerville. Below are the awards of the first day, the judges being Max Herzog and J. J. Beneke.

Wm. Schray was first for 3 plants white, 3 plants yellow, 3 plants any color; second for single specimen white, single specimen yellow, second for yellow standard, and first for yellow standard in another class; first for standard, any color. In Shaw classes he was first for collection of palms; second for collection of begonias and collection of ferns; first for collection of foliage plants; first for 25 blooming plants other than chrysanthemums; second for specimen *Areca lutescens*; first for *Howea* (*Kentia*) *Belmoreana*, *H. Forsteriana*, *Livistona chinensis*, *Pandanus utilis*, single fern and specimen decorative plant.

The Michel Plant and Bulb Co. were second for 3 plants white; first for 3 plants pink; second for any color, and first for 3 plants, 3 colors; first for white and yellow standard; second for pink; second for 12 plants in 6-inch pots; first for 25 plants white. In the Shaw premiums they took second for collection of palms; first for begonias and ferns; second for other foliage plants; third for 25 blooming plants; second for specimen *pandanus*. They were first in two cut chrysanthemum classes.

F. J. Fillmore received first for 3 chrysanthemum plants; second for 18 market plants; third for collection of begonias, collection of ferns, collection of foliage plants; second for 25 blooming plants and for one fern.

J. C. Vaughan was first for white standard, for standard, any color, and second for vase of 25 chrysanthemum blooms. Andrew Meyer was first for specimen yellow, for specimen pink, and for pink standard; first for 12 plants in 6-inch pots; for 50 plants, single stem, not over 4½-inch pots, for 25 plants pink and 25 plants yellow. A. Jablonsky was first for 18 market plants, and for 6 cyclamens, this last being one of the Shaw prizes. Max Herzog was first for 20 pot carnations in bloom. C. Young & Sons were third for collection of palms; second for 6 cyclamens; second for *Howea Forsteriana* and *H. Belmoreana*. Sanders & Beneke were first for specimen *Areca lutescens*, and second for decorative plant.

In the rose classes the judges were Fred Ostertag, H. W. Chandler, Jr., and F. Bucksalt. R. F. Tesson was first for Wootton, Augustine Guinnoisseau, Bridesmaid and Beauty. W. Schray was first for Mme. Hoste, F. J. Fillmore for Perle des Jardins, and W. J. & M. S. Vesey for Kaiserin.

In carnations the judges were the same

with the addition of C. C. Sanders. Markey Bros., Fort Wayne, Ind., were first for white, W. J. & M. S. Vesey for pink, and for best vase, not less than 50 blooms; H. F. W. Aue was first for red. W. J. & M. S. Vesey were first for best arranged vase of chrysanthemums.

The second day of the show was a very successful one, the box receipts showing a sale of nearly 1,300 tickets. This is much in excess of the second day's receipts last year. The sales booth was liberally patronized, better than the first day. Roses were the first thing the judges had to work on; the competition was even stronger than previously, Frank Fillmore showing a vase of Brides and Mermets for which he received the first; they were very fine. Young & Sons captured the Sunset and Meteor prizes. Max Herzog had no competition on La France.

Carnations came next in order to be judged. Vesey captured first on variegated carnation, showing Helen Keller and Dr. Smart. Frank Fillmore had the largest and best collection. The 100 blooms of Wm. Scott shown by the St. Clair Floral Co. got the blue ribbon on its merits. The judges were E. Schray, A. Frow and W. Mullenslager. On carnations, Max Herzog, R. Frow and J. J. Beneke judged.

The chrysanthemum cut blooms were judged next for the Shaw prizes. The Dailedouze by Wm. Huckle and the Major Bonaffon and Queen by St. Clair Floral Co. were the finest ever seen in St. Louis, both these are Belleville, Ill., florists. The Niveus of Sanders & Beneke and Ivory shown by Wm. Schray were the best of the whites. Morel and Pres. W. R. Smith by C. Young & Sons were the best pink. For any variety introduced in 1893, 1894 or 1895, Dr. Halstedt of the St. Clair Floral Co. captured first with his new seedling St. Clair, a very fine yellow. The judges had a hard time to distribute the prizes, but every exhibitor was satisfied and not a kick was heard from any of the competitors.

Wm. Huckle was first for twelve Eugene Dailedouze, third for the Queen. W. J. & M. S. Vesey were second for Dailedouze, for Pres. W. R. Smith and for Niveus, first for any other white. J. C. Vaughan was third for Dailedouze, first for Golden Wedding, second for any variety of '93, '94 or '95. C. Connon was second for Golden Wedding; Michel Plant and Bulb Co. third for Golden Wedding, first for any other yellow, second for Vivian-Morel, first for Baisley and any other pink, third for Ivory. St. Clair Floral Co. were first for the Queen, third for yellow, first for Bonaffon and for new variety. W. A. Chalfant was second for Bonaffon and any other yellow, third for Pres. Smith and any other pink; W. Schray was third for Bonaffon, first for Ivory and third for new or recent variety; C. Young & Sons were first for Vivian-Morel and Pres. Smith, second for any other pink, the Queen, Ivory and any other white.

Friday, the third day, the attendance, day and night, was very fair considering the threatening aspect of the weather. Over 1,000 tickets were sold at the box office, thus keeping up the good average of the sales over last year. A large number of roses and carnations were shown, but the best exhibit of the day was the special prize offered by Brown & Canfield of Springfield, Ill., and the special prize offered by Mrs. Silas Bent, for baskets of chrysanthemums. W. J. & M. S. Vesey captured both the firsts; C. Young & Sons second. Their vases were arranged



GLIMPSES OF THE ST LOUIS SHOW

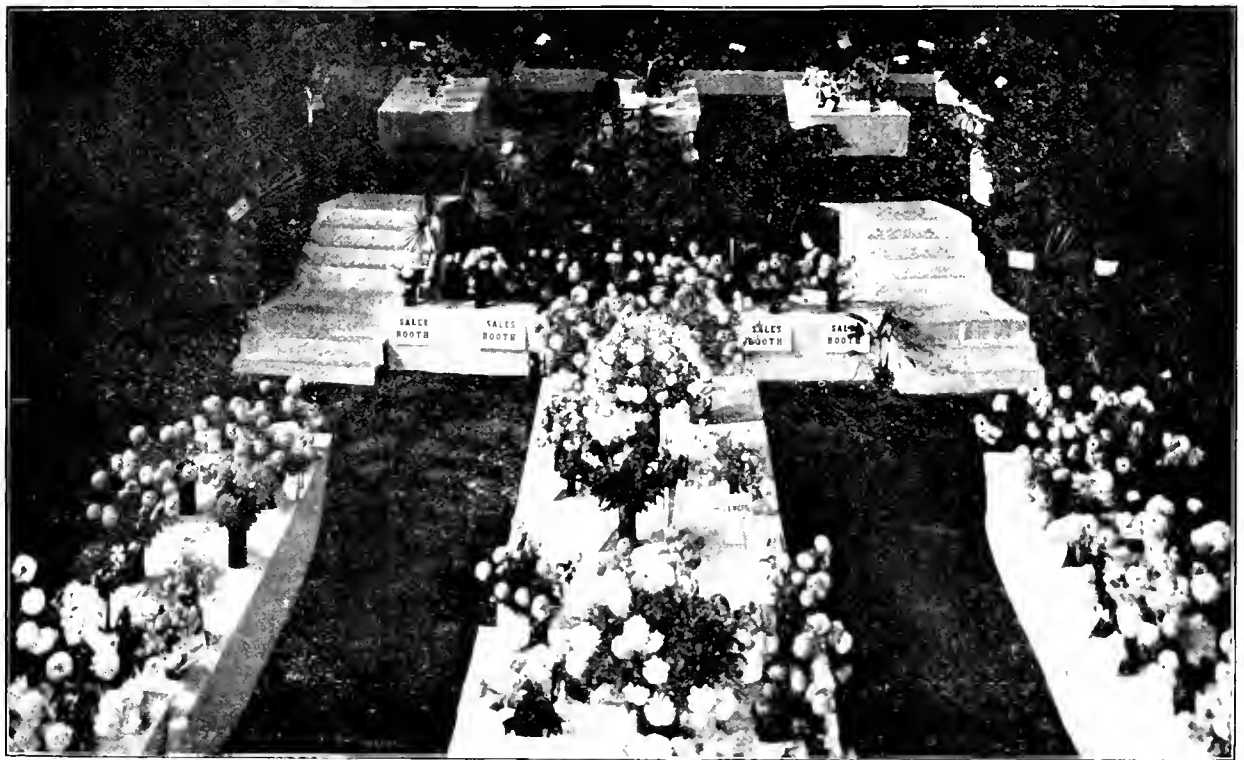
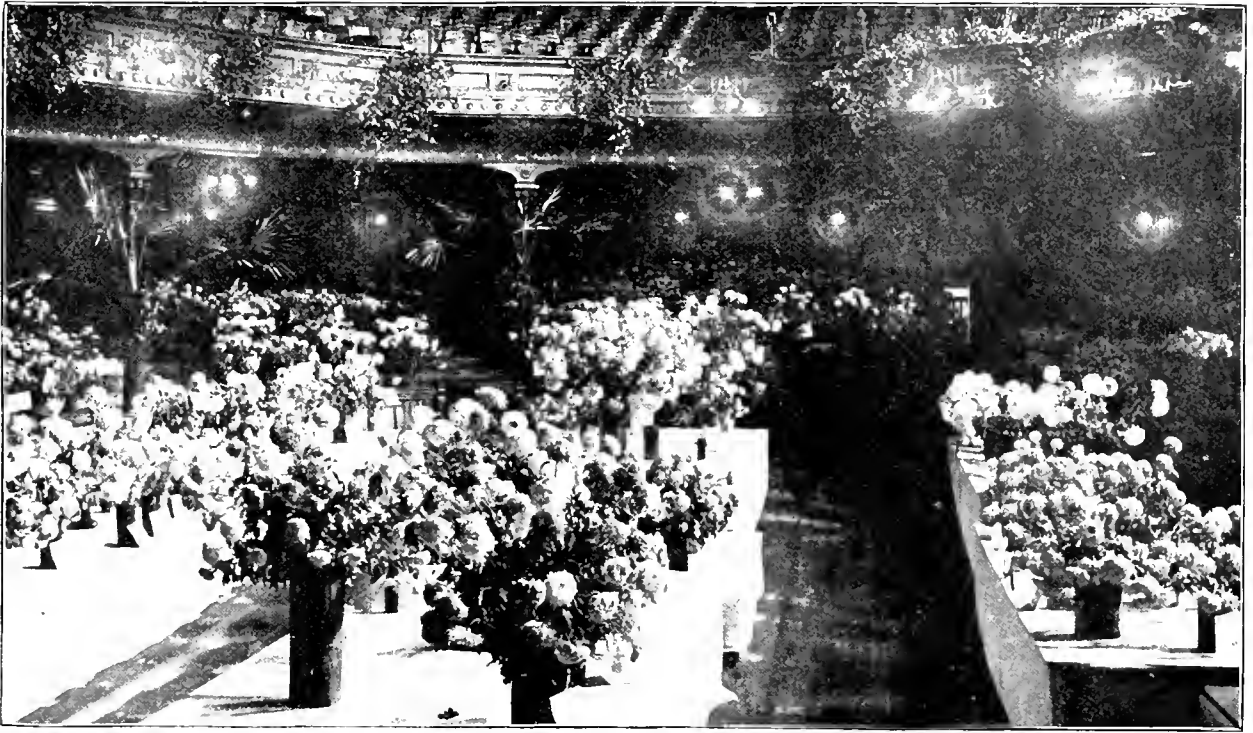
by Mr. Fred C. Weber and attracted much admiration. In roses Wm. Schray, R. F. Tesson, C. Young & Sons and W. J. & M. S. Vesey came out with firsts. Carnations came next. Markey Bros. came to the front with as fine a vase of Wm. Scott's as ever seen and got the first; Mr. Ammann of Edwardsville, Ill., showed some fine McGowans, and Henry Aue the best Daybreaks. The competition in carnations was very large. Next came the judging on 12 blooms of mignonette, the competition was not so great in this only two, A. Jablonsky and Andrew Meyer. Mr. Meyer's blooms were very fine and large, taking the blue ribbon. The only exhibitor was Mr. F. J. Fillmore for best twelve geraniums named, in bloom; these were also good plants.

Saturday, the fourth day, was also well attended. The competition was in roses, carnations and chrysanthemums. W. W. Coles had no competition in twenty blooms of Mme. Caroline Testout; they were very fine. For the five varieties of cut roses there were four competitors, R. F. Tesson, W. J. & M. S. Vesey, Wm. Schray and C. Young & Sons. Tesson's were judged the best with Vesey second; W. J. & M. S. Vesey came first on vase of forty white roses, showing a vase of Kaiserin Augusta Victoria; Tesson and Sanders & Beneke showed each forty brides; Tesson came out second, with Sanders & Beneke third.

In carnations for the best vase of forty Lizzie McGowans, Max Herzog came on top; for vase of forty pink carnations W. J. & M. S. Vesey took first on forty blooms of Albertini. This last was by far the best vase of carnations seen during the whole show.

In handle basket only two entries were made; C. Young & Sons took first and Michel Plant and Bulb Co. second. Young's basket was made up of American Beauties, lily of the valley, violets and carnations; Michel's was white and yellow chrysanthemums and adiantum. Next came two special prizes, one offered by W. J. & M. S. Vesey, the other by J. C. Vaughan, for the best forty-eight chrysanthemum blooms in eight sorts, six of each. The first was taken by Wm. Schray who exhibited the following eight sorts: Ivory, Mayflower Silver Cloud, The Queen, Niveus, Golden Wedding, Marie Louise and Major Bonaffon. The second was taken by Michel Plant and Bulb Co.

The next special prize was offered for the best twelve blooms of one variety of yellow chrysanthemums; this prize went to Wm. Huckle of Belleville, Ill., he showing the best Eugene Dailedouze seen at the show. Connon Floral Co. offered the next prize for the best twenty-four flowers, white, in three sorts, eight of each. Michel Plant and Bulb Co. took the prize, with W. G. Newitt, The Queen and Mutual Friend. Then came the last prize offered by Nathan Smith & Son for the best twelve blooms of any one variety of chrysanthemums introduced in 1895. Michel Plant and Bulb Co. took first with a fine vase of Philadelphia. This closed the show as far as the prizes went. A very good crowd was present at night, but Sunday, the last day, the crowd was not so large as expected. Had it been advertised better that the show would be open on Sunday I think it would have been very largely attended, and I think that next year will find Sunday our best



GLIMPSES OF THE ST LOUIS SHOW.

day. This closed the fifth annual chrysanthemum show and floral exhibition of 1895, the only successful one (financially speaking), ever held in St. Louis.

J. J. B.

Cleveland.

The preliminary work for the flower show was started last Saturday, the 16th, and by Monday night everything was ready for the cut flowers, which were staged Tuesday morning. From the start everyone worked harmoniously and

with a will—no friction, no hanging back, but all working, as they should, with the single end in view of making the affair a complete success. In matters of this kind there is usually something that goes wrong, somebody that forgets or neglects something, with the result that annoyance and delays all around ensue. There was nothing of the kind here; everything went smoothly, so that there was no necessity for alteration of pre-arranged plans. Everything was finished punctually, and as a consequence everyone was in good

humor Tuesday morning, with nothing to mar the prospect, save the weather, which had turned out wretchedly. The wisdom of the selection of Army and Navy Hall was fully demonstrated. A judicious use of ground pine, laurel and wild smilax in conjunction with bunting galore, provided a setting for the plant and cut flower features that was eminently satisfactory, and reflected credit upon all those who had worked so diligently to bring about so beautiful a result.

Four dinner decorations, one each by



Messrs. Gasser, Eadie, A. Graham & Son and Chas. Erhardt, were shown, and proved very attractive to the public. Anything that bears any relation to mankind's digestive apparatus seems to arouse the liveliest interest on the part of the said public. Five mantels were also shown decorated by as many different florists. They were all good, but nothing novel was shown in that line.

Despite the horrible weather of Tuesday the people turned out in large numbers, completely filling the hall nearly the entire time. The prospect certainly is for a very successful exhibition financially, which is certainly a very desirable consummation, as whatever funds arise from that source are to be entirely devoted to the entertainment of the florists next summer. It is of course not expected to realize nearly enough, but it will do for a starter.

Among out of town visitors were Mr. Smith of Adrian, Mich.; Mr. Reineman, Mr. Bennett and others of Pittsburg.

Lack of time prevents a detailed description of the exhibits this week, but it will be furnished later.

It will not be out of place to remark here that the local florists have been delighted by the liberal exhibits from out of town, and this opportunity is taken to thank their friends most heartily for the very practical interest they have shown.

A.

#### New Orleans.

The show was held in a tent 70x200 feet in the square opposite the City Hall. The weather was all that could be wished for during the duration of the show. It was a decided success from every standpoint, and owing to the rush it was extended one day. The idea of holding the show under the auspices of the Ladies' Auxiliary to the Anti-toxin Board proved to be a good one, appealing, so to say, to the heart and purse of everybody.

The most successful exhibitor was Mr. C. W. Eichling, who won the sweepstakes medal donated by the ladies of the Anti-toxin Board, having received the largest number of awards. First on five specimen plants, 12-inch pots; they consisted of V. H. Hallock, G. W. Childs, Major Bonnaffon, W. G. Newitt and Hicks Arnold, every one exceedingly well grown; first on 12 plants, single stem, 1 variety, Geo. W. Childs; second on group of chrysanthemums and several others. In cut blooms Mr. Eichling took first on 20 varieties, 2 of a kind; first on 12 varieties, 2 of a kind, and several other first and second prizes. In floral work first on hand bouquet, first on basket, second on table and second on mantel decoration.

Mr. Dan Newsham, gardener to Mr. E. Bryant, showed exceptionally fine plants; he received first on 12 specimen plants, 12 varieties, 12-inch pots; first for 12 specimen plants, 6-inch pots; first for 12 plants, 12 varieties, single stem, and second for roses (private gardeners) and second for chrysanthemums and foliage plants arranged for effect. Both blooms and foliage were well done. Mr. Harry Papworth, gardener to Mrs. T. G. Richardson, the hustling and energetic chairman of the committee of arrangements, took first prize for group of chrysanthemums very tastefully arranged and having a large number of varieties represented. Also first for best arranged group of chrysanthemums and foliage plants arranged for effect. The foliage plants were noteworthy, as they were all well grown specimens. First prize for 12 palms (private gardeners); first prize for best seedling not in commerce. In cut

blooms he was awarded second for 20 varieties, 2 of a kind; first for 5 varieties, 3 of a kind; first for best vase of yellow, extra fine Dailedouze, and several others. Mr. H. Cook took first on a fine collection of ferns, second for collection of palms. He also exhibited a pretty group of foliage plants and chrysanthemums.

Mr. J. H. Menard took first for collection of palms; first for best floral design, showing a tastefully arranged vase of chrysanthemums; second on basket; first on corsage bouquet. He also showed a group of chrysanthemums and foliage plants. Mr. Chas. Eble exhibited a group of chrysanthemums and foliage plants; received first prize for table decoration; first for mantel decoration; second on hand bouquet; first on collection of roses for nurserymen.

Mr. John Eblen received second prize on collection of ferns. Mr. E. Valdijo was awarded second prize for collection of roses; the tasteful decoration of the fountain was also done by him. Mr. Geo. Thomas, gardener to Mrs. H. L. Whitney, received first prize on 12 ferns and second for vase of red. Mr. J. H. Mard took first prize for best specimen plant, showing a well grown plant of President W. R. Smith; second prize for 6 specimen plants, 12-inch pots; second for 1 vase white and 1 vase pink.

Mr. Jos. Muller had a fine display of foliage plants and chrysanthemums not for competition, for which he received special mention. Abele Bros. exhibited a pretty group of chrysanthemums not for competition, receiving special notice, collection of 12 blooms, 2 of a kind, second prize and special notice for collection of roses. Simons & Newsham exhibited a group of fine single stems not for competition, receiving special mention. Mr. F. Taessel also exhibited a nicely arranged group of chrysanthemums and foliage plants, receiving special mention.

Nathan Smith & Son, Adrian, Mich., received first prize for best seedling called Lenawee. Two chrysanthemums sold at auction for the benefit of the fund brought \$115.

PAUL ABLE.

#### Montreal.

The annual chrysanthemum show at the G. & F. Club opened at the Windsor Hall on Tuesday, the 12th inst., under very favorable circumstances. The weather for moving the plants could not be more suitable. The greater part of the plants arrived on Monday afternoon, but it was 11:30 a. m. on Tuesday before the judges were allowed into the hall. The one judge plan was followed this year with very satisfactory results. The show was divided into four parts, and one judge to each. To Mr. J. H. Dunlap, of Toronto, was assigned the groups and chrysanthemum plants; to Mr. J. Bland, of Armprior, the cut blooms ('mums); to Miss Celia Murray the made-up work, table decorations, mantels and cut roses and carnations; to Mr. John Doyle the miscellaneous plants.

The two most interesting sections were the 12 plants and the 24 cut blooms. In the first mentioned there were four competitors, and the four dozen plants they put up were undoubtedly the finest lot ever seen here; they were as near perfection as possible. Mr. Robinson's 12, which came in first by exceedingly slight odds, comprised the following varieties: Pitcher & Manda, W. H. Lincoln, L' Enfant des deux Mondes, Miss Florence Davis, Gloriana, Miss Georgienne Bramhall, Edward Audiguier, Major Bonnaffon, Golden Gate, L. Canning, Whilldin,

Ivory. T. McHugh's 12 were Ivory, Pitcher & Manda, Eda Prass, Etoile de Lyon, Hicks Arnold, Silver Cloud, Niveus, Tokio, L' Enfant des deux Mondes, Mrs. Irving Clarke, L. Canning, G. W. Childs. Mr. Kirkwood's 12 were Pitcher & Manda, W. H. Lincoln, L' Enfant des deux Mondes, Miss Florence Davis, Gloriana, Miss Georgienne Bramhall, Edward Audiguier, Major Bonnaffon, Golden Gate, L. Canning, Whilldin and Ivory.

Mr. Chas. Smith was first for six plants of the following varieties: W. H. Lincoln, Edwin Molyneux, V. Morel, Tokio, L. Canning, Etoile de Lyon. The same gentleman came in first also with the three following: Pitcher & Manda, Geo. W. Childs and Ivory.

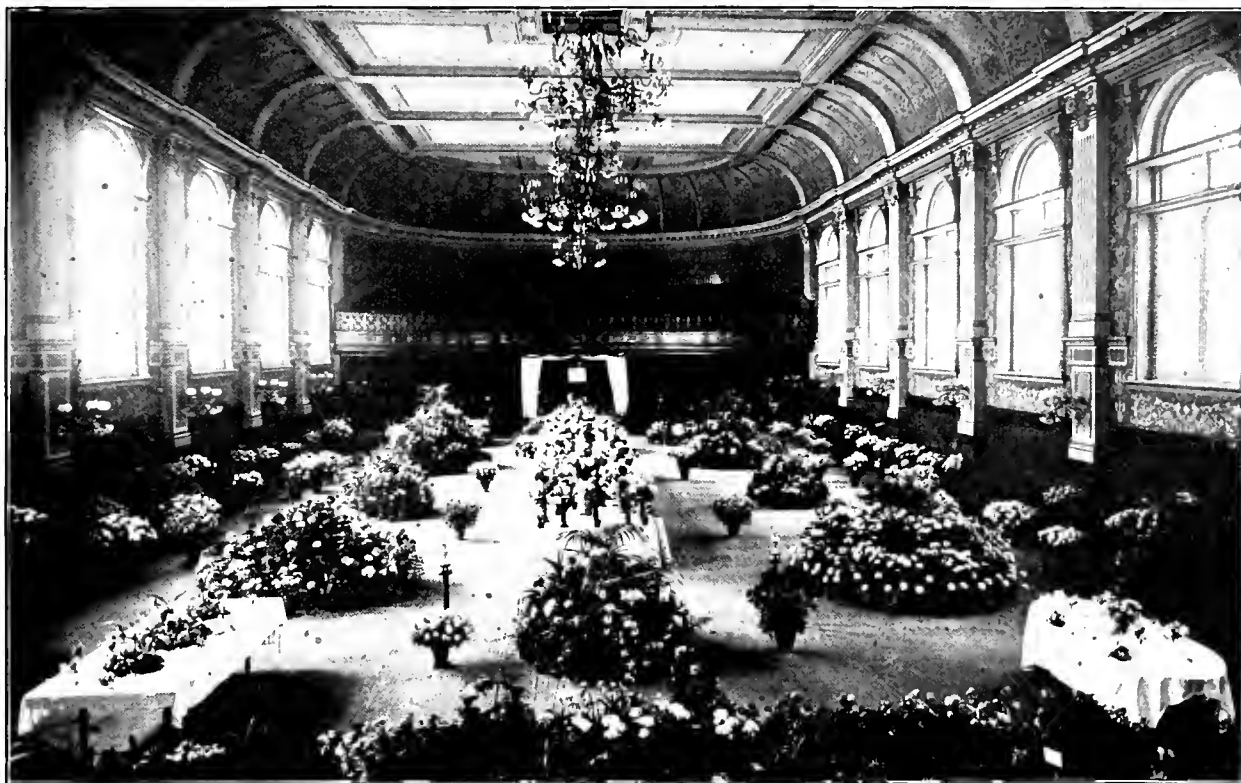
Mr. Geo. Robinson also came first for the 24 cut blooms, with the following varieties: The Queen, Inter Ocean, Silver Cloud, Chas. Davis, Mrs. Jerome Jones, Princess of Chrysanthemums, Niveus, E. Dailedouze, V. Morel, Golden Wedding, Mrs. H. McK. Twombly, Mrs. E. G. Hill, Pitcher & Manda, sport from V. Morel, Philadelphia, Mrs. G. H. Morgan, Major Bonnaffon.

Mr. McHugh's 24 blooms were of the 24 following varieties: Violet Rose, L. B. Bird, Miss G. Spaulding, H. W. Reiman, Waban, Iora, Silver Cloud, Mrs. Bayard Cutting, G. Wedding, Niveus, Mrs. H. McK. Twombly, Mayflower, Louise D. Black, Helen Bloodgood, Mrs. Geo. A. Magee, Georgienne Bramhall, Dr. W. A. Wakeley, The Queen, Dorothy Toler, Amoor, Marie Louise, Col. W. B. Smith, V.-Morel, Mrs. F. Gordon Dexter. The three blooms shown by T. McHugh were Mrs. Henry Robinson, W. A. Dinsmore and Mrs. J. H. White. These were much admired, especially the first mentioned.

The booth for the sale of flowers was very successful, the prices obtained being about 50% over regular store prices. The attendance has been better than at any previous show, and showing a very marked improvement over last year.

First prizes were awarded to Wm. Wilshire for group of chrysanthemums and other plants covering 50 square feet, the same covering 25 square feet, for one orchid, and for specimen palm; second for 6 specimen plants. Walter Wilshire received second for group covering 50 feet, for 6 and for 3 specimen plants; first for 6 palms, second for pot carnations. In cut flower classes the same exhibitor received first for 3 blooms, yellow, second for 3 blooms crimson. In rose classes he obtained second for Mermet, Bride, Bridesmaid, Perle and Sunset; first for mantel decoration and for three chrysanthemum vases.

P. McKenna & Sons were first for group of chrysanthemums only arranged on 50 feet of space, and first for dark pink carnations. W. Alcock was first for group of chrysanthemums only arranged on 25 feet of space. C. A. Smith was first for 6 and for one specimen plant. Wilshire Bros. were first for one specimen palm, and funeral design; second for basket of flowers, table and mantel decorations. J. Kirkwood received special prize for the best plant in the show. T. McHugh was first and C. A. Smith second for 12 plants and 6 plants in 6-inch pots. Geo. Robinson was first and C. A. Smith second for 6 plants in 5-inch pots. Fred Bennett was second for 6 ferns, first for 3 palms, first for one palm. Jos. Bennett was second for group of chrysanthemums only arranged on 50 feet of space, first on two and third on five rose classes, and for vase of white chrysanthemums, second on vase of yellow and first on vase of pink.



VIEW OF THE MONTREAL SHOW.

Geo. Pasco was first and Wm. Horobin second for tree fern. C. Campbell was second for 3 palms and for one palm, first for table decoration and for basket of flowers; second for funeral design. James Bray was second for one orchid, first for 6 solanums, 2 specimen geraniums. Geo. Robinson was first and W. Alcock second for primulas. Wilshire Bros. second for solanums. C. A. Smith was first for dwarf salvias. Geo. Robinson, T. McHugh and Wm. Horobin won most of the first and second prizes for chrysanthemum blooms. J. H. Dunlop obtained eight first and two second prizes in rose classes and the same exhibitor obtained five first, one second and one third prize in carnation classes. BEAVER.

#### Davenport, Ia.

The Tri-City Florists' Club gave their second chrysanthemum show November 12-15 in Library Hall, Davenport. The Club will devote the profits of the enterprise to the public library. The hall was beautifully decorated with wild smilax, holly, magnolia and palm leaves. All the mural decorations were in excellent taste, some of the panels being specially beautiful. The floor was laid out in landscape style, the plants and decorations making the finest show ever seen here. In front of the entrance was a large group of plants from Chas. Dannacher; it consisted of standard and specimen chrysanthemums surrounded by dwarf plants. In the corner to the left was a large group, exhibited (not for competition) by Wm. Knes of Moline. The next group, also not for competition, was a fine arrangement by Henry Pauli of Davenport. The center bed on the left side, for display only, was arranged by H. Gaethje of South Rock Island; this was one of the prettiest and most effective displays present. This was near a second exhibit made by Chas. Dannacher, who had

three large groups, one occupying the stage, one in front, and one in the corner. This was a magnificent display of standards, single stem and bush plants, over 500 plants in more than 40 of the best varieties. He was awarded certificates of merit for 5 bush plants, white, L. Canning; 5 pink, L. Boehmer; 5 yellow, Yellow Queen; 5 any other color, G. W. Childs; 10 single stem yellow; 5 bush plants, red, The Bard; best yellow specimen bloom.

The entire south side of the hall was filled with fine plants. F. L. Bills, Davenport, had about 500 well-grown plants; he also occupied the center of the hall with a group of single stems that would defy competition anywhere, though his Queens and J. H. Taylor had turned pink (color of Hallock) from some cause. He took 16 certificates of merit on his chrysanthemums; he was also awarded a certificate on a grand display of roses.

In the cafe and upper corridors Wesley Green of Davenport also had a fine display, not for competition. He had the only exhibit of pompons; they attracted much attention. His plant of Philadelphia was greatly admired.

At the entrance and in the lower corridor J. T. Temple had a large exhibit of bush plants, not for competition, consisting of Philadelphia, Fred Walz, Mrs. Potter Palmer, J. H. Troy, J. E. Lager, Niveus, Marion Henderson, Mutual Friend, Marie Louise, Queen, Mrs. E. G. Hill, Eda Prass and others.

In the lower hall or library the cases were covered and trimmed with evergreens and Japanese tans, the decorations being entirely different from upstairs. This was devoted to amateur and cut flower exhibit. F. L. Bills occupied the south side of the hall with an elegant display of roses, carnations, violets and chrysanthemums; they were greatly admired, particularly a large vase of Golden Wedding.

The north side was occupied by Chas. Dannacher, who, in addition to roses, carnations, violets and mums, had some fine bouvardia and lily of the valley. F. G. Baker of Davenport also made an exhibit of roses, Niphetos, Brides, Bridesmaids and others. J. C. Vaughan of Chicago made a splendid exhibit of cut chrysanthemums of various sorts, which attracted much attention. H. Gaethje also exhibited cut roses, chrysanthemums and carnation, including fine Scotts. The good attendance seemed to promise a surplus for the library.

Among visiting florists were Wm. Austin, Geneseo, Ill.; E. Kranz, Muscatine, Ia., and John Beimford, Wilton, Ia.

J. T. TEMPLE.

#### London, Ont.

Considering the short notice on which the show was gotten up the promoters have much to feel proud of. Under the joint management of the Horticultural Association and the United Charities Society the show has proved a success beyond all expectations, not only as an exhibition, but the financial part will yield a profit of several hundred dollars.

The arrangement of the hall was under the direction of President Balkwell. There being no competitive classes general effect was studied, the percentage being awarded on merit of the exhibit on a given space. The exhibitors were E. Meredith, Greenway, Gammage, Dicks and Stevens. Messrs. Greenway exhibited a magnificent lot of pot chrysanthemums grown to single stem; their Ivory were the admiration of all, being perfect specimens not over ten inches high. They also made the best display of cut bloom. The group by E. Meredith scored the next highest number of points; in this group some fine specimens were shown, considering that they had not been grown for ex

hibition purposes. F. Dicks exhibited some really good cyclamens; these are his specialty in the plant line. Gammage & Sons had the only orchids, being two *Cattleya labiata*. A. G. Stephens made a good exhibit for a new beginner.

The hall was gaily decorated and presented a decidedly Japanese appearance with its numerous pretty girls in Japanese costume carrying huge bunches of specimen bloom. Large quantities of flowers were sold at good prices. The Moorish cafe, with its attendants in costume, also the refreshment room, did a rushing business. This goes to prove that in London as well as many other places it requires something more than flowers alone to make a financial success.

W. GAMMAGE.

#### Dayton, O.

The first annual chrysanthemum show, under the auspices of the Montgomery Horticultural Society, was held at the W. C. A. Building; two large rooms, the auditorium and gymnasium hall, were well filled with the choicest productions of some of the best growers in the west.

At 8 p. m. the mayor of the city, Mr. McMillen, delivered an address of welcome. Mr. N. Ohmer, President of the Montgomery County Horticultural Society, responded. One of the features of the opening night was the recital of a chrysanthemum ode written especially for the occasion by Mrs. J. B. Thresher, of this city. The weather was all that could be desired, which had a beneficial effect on the attendance on the opening night. On Wednesday the bright, clear weather continued and the attendance was large. On Thursday evening light rain set in, which somewhat reduced the number of visitors, yet the number was very satisfactory. Friday was the best day of all, and a constant stream of visitors passed through the doors. Altogether Dayton's first show was a grand success, and the management are more than pleased with their first undertaking, especially as they have a handsome surplus over, which assures a larger and better show with an increased premium list for next year.

The display of cut bloom was unusually fine, and it was acknowledged by several who had seen the shows at Philadelphia, Chicago and Indianapolis this year to be superior in point of size and finish. The Highland Floral Company, of Dayton, (E. C. Bissell grower) made an unusually fine exhibit, which was very much admired by all. His Eugene Dailedouze were simply immense, some of the flowers measuring twenty inches in diameter and depth. This variety was shown in unusual fine form here and carried off the first prize for best 25 blooms any variety, best 15 blooms yellow, largest bloom yellow, and the largest bloom at the show. Niveus, by the same exhibitor, was also very fine and winner of best 15 white. President W. R. Smith was magnificent and won first for best 15 pink.

Mr. Theo. Bock, of Hamilton, Ohio, showed his new seedling, Betty Bock, which is a fine shade of shell pink and shows up elegantly at night.

The most prominent and best red shown was John Shrimpton, by E. G. Hill & Co., of Richmond, Ind. The variety that attracted the most attention and was the most admired by the ladies and florists in point of color was Mrs. Perrin, by same exhibitor; it is simply grand, and by all odds the finest shade of pink we have yet seen in a chrysanthemum. Fred Walz

was shown in good form by Mr. Theo. Bock and won second for best vase of 15 pink. Other varieties that were well done were Philadelphia, Benedict, Major Bonnaffon, Marie Louise, Viviani-Morel, Golden Gate, Georgienne Bramhall and Golden Wedding.

Nathan Smith & Son, of Adrian, Mich., exhibited some very fine sorts, the most admired of which were Lenawee, a very fine white, and said to be quite an improvement on Queen, and Iora, a beautiful narrow-petaled, rosy pink variety.

One of the most interesting exhibits was the amateur class; in this there were two entries, Theo. Menche and John Mull, both of this city. Mr. Menche's cut bloom would be a credit to any florist; he won first for 10 blooms one variety with Golden Gate, also first for 10 blooms 10 varieties. This gentleman has no greenhouse, but grew his 'mums all in the open border in an angle of his dwelling facing southeast. On the approach of cold weather he protects them with portable glass frames, and admits heat from the furnace through a cellar window connected with the same, and few florists can excel him in growing 'mums.

The Highland Floral Company made the best rose display, and also received first for violets and pink carnations, E. G. Hill & Co. being first for red and white carnations.

In chrysanthemum plants the Highland Floral Company was first for specimen plant yellow, second for 6 plants; first for specimen red, for 10 plants white, 10 yellow, 10 red, and 10 pink, and for 24 market plants. In cut blooms the same firm was first for 15 varieties, 3 flowers of each, for 10 varieties, 3 of each, for 15 white, 15 yellow, 15 pink, for 25 blooms, 25 varieties, and for largest and best bloom white (Marie Louise), largest and best bloom yellow (Dailedouze), largest and best bloom any color. Theo. Bock was first for 6 plants, second for specimen white, first for specimen pink. In cut bloom he received special for 15 varieties, 3 flowers of each, second for 15 blooms pink, and for 25 blooms any color, first for largest and best bloom pink. E. G. Hill & Co. were third for 6 plants, second for specimen plant pink, first for 5 standards; in cut blooms this firm was second for 15 varieties, and for 10 varieties, first for 15 blooms red, second for 25 blooms, 25 varieties, first for 25 blooms one variety, second for largest bloom white (Miss F. Pullman), and for largest bloom yellow. Nathan Smith & Son were second for 15 blooms white, 15 blooms yellow, 15 blooms red.

F. W. RITTER, JR.

#### Madison, N. J.

Fagan's Hall presented a very attractive appearance on the occasion of the second annual flower show of the Rose City Rose-growers Club on November 12-13-14. As might be expected, the display of roses was the most prominent feature, and the two tables running through the center of the hall were loaded with a brilliant collection in which all the popular varieties of the Queen of Flowers were seen at their best, and the judges had no easy job to decide between the many aspirants in each class. There were no less than fifteen entries for the Bride, ten for six Bridesmaids and eight for eighteen Bridesmaids, and there were but two premiums offered in either case. L. M. Noe, Marmaduke Tilden, J. D. Burnett, C. A. Work, P. Cosgrove & Son, Frank L. Moore, Thos. Rhedican, Jas. Ryan, Chas. H. Hagert, Dennis McCarthy, J. N. May

and T. W. Stemmler were all among the successful exhibitors. Specially handsome were L. M. Noe's American Beauties, F. L. Moore's Bridesmaids and Meteors, C. H. Hagert's Bridesmaids which won the special silver cup, and J. N. May's collection, which included some grand blooms of Mrs. J. P. Morgan. P. Cosgrove & Son, Jas. Ryan and C. McCarthy all received special certificates of merit, and F. L. Moore won the Japanese tea set given by Mr. Nathaniel Niles for best eighteen Brides. In the chrysanthemum class John Jones took the plant premiums. He also was first on collection of stove and greenhouse plants, and received special certificate of merit for *Araucaria excelsa*. His fuchsias were very pretty. Other plant exhibitors were M. B. McGuire, C. A. Work and Wm. Charlton.

First prize on twelve blooms of chrysanthemums went to J. N. May for a superb lot, in which Mayflower, Maud Dean, Silver Cloud, Millbrook, Jeannie Falconer and Mrs. Jerome Jones were particularly noticeable. In the collection from Thomas Jones which took second in this class, Viviani-Morel, Niveus and Eugene Dailedouze were especially good. On carnations J. N. May was first also, Maud Dean, Lena Saling and Helen Keller being greatly admired, and Harrison Quinby, who received second, had Alaska, Minnie Cook and Corsair in fine shape. M. B. McGuire was given a special certificate for vase of gladiolus. John N. May showed splendid mignonette, and John Jones violets.

A horseshoe of flowers and incandescent lights was suspended over the stage, presaging good luck to the show and giving a very pretty effect, but "alas and alack!" what were the Rose City growers thinking of to give to a basket of paper flowers the central position on the platform?

David Shannon showed a vase of Brides which were not excelled by anything in the hall, but they appeared to have been overlooked. Or was the prize card mislaid?

#### Reading, Pa.

A very successful chrysanthemum show, the first ever held in this city, opened November 14. There were numerous exhibits from Philadelphia florists and a fine display from Siebrecht & Wadley, New York, in addition to the exhibits of local florists and amateurs. Siebrecht & Wadley sent palms, ferns, orchids and chrysanthemum plants, making a much admired exhibit.

In chrysanthemum classes J. G. Brown, Reading, was first for general display on 100 square feet; Hoskin & Giles second in this class, second for 12 plants, first for specimen pink, specimen any color, first for vase of white, third for vase pink. Ferd Heck, gardener to Geo. F. Baer, first for 6 plants, for 12 plants, for specimen yellow; second for 24 flowers, first for 36 flowers. Hugh Graham & Son, Philadelphia, were first for 24 flowers, for 12 blooms yellow, second for 12 blooms white, first for 12 blooms pink and for vase any other color. Siebrecht & Wadley were second for 12 blooms yellow and 12 blooms any other color. C. F. Evans, Philadelphia, was third for 12 blooms yellow, second for pink, first for largest bloom, for best 24 flowers yellow, 24 flowers white, and 24 flowers, 24 varieties, for vase of white, and second for 36 blooms. J. W. Colflesh, Philadelphia, was first for 24 blooms pink and for best vase red. E. Lonsdale was first for vase of 20 yellow and vase of 20 pink.

In floral designs Wm. Kern was first and J. G. Brown second for plateau of



ROSES AT THE CHICAGO SHOW

ferns and foliage; Hoskin & Giles first for basket of flowers, plateau of chrysanthemums, and mantel decoration, second for table decoration. J. G. Brown was first for jardiniere of ferns and foliage plants, second for mantel and first for table decoration. Special and honorable mention was made in the following cases: To J. C. Hepler, for general collection; to Robert Craig, for fine chrysanthemum display; to Hoskin & Giles, for group of plants and flowers; to Siebrecht & Wadley, for display of palms, ferns and orchids; to J. S. Hinnershots, for chrysanthemums and decorative plants.

The rose display was very fine, the prize winners being C. F. Evans, Hugh Graham & Sons, B. F. Barr, Lancaster, Hoskin & Giles and J. G. Brown. Special prize was awarded to Robt. Craig for Mrs. Pierpont Morgan. A large carnation display was made by Thos. Meehan & Sons, Germantown, other exhibitors being Hoskin & Giles, E. Reid, Philadelphia, and B. F. Barr.

#### Hartford, Conn.

The annual chrysanthemum show of the Connecticut Horticultural Society was held at Putnam Phalanx Hall on Novem-

ber 12, 13 and 14. Handsome specimen plants were shown by Jas. Smith and Jas. Young in the various classes, the extensive groups from these two exhibitors contributing greatly to the attractions of the hall. Robert Patchet, G. Minge and W. B. May also showed a number of plants, the latter including several seedlings naturally grown. In classes for plants grown to single stem and bloom A. N. Pierson made a very fine exhibit, as did also Jas. Young, Jas. Smith and Stephen Delbar.

The cut flowers from A. N. Pierson were superb, especially Queen, Vivian and Morel



Maud Dean, Bonnot and Philadelphia. He was awarded the diploma for the finest exhibit of blooms. John Coombs also showed extra good flowers including Minnie Wanamaker, Niveus and Eugene Dailedouze. Ivory, Niveus, Dailedouze and Golden Wedding were conspicuous in the exhibits of A. Whiting and Stephen Delbar. W. B. May, the "father of the society," showed a quantity of cutsprays of naturally grown flowers.

From A. N. Pierson and John Coombs came a lot of handsome roses of all the popular market kinds. T. J. McDonald showed a plant of California violet with abundant blooms and such luxuriant vigor as would gladden the heart of the introducers of this variety could they but see it.

#### St. John, N. B.

The second annual exhibition of chrysanthemums under the auspices of the Horticultural Association was held here on the evenings of November 13 and 14, and was an unqualified success; the display was the finest ever seen in this city, and would compare favorably with any city on the continent as regards the quality of bloom. The association will clear over \$100 above all expenses.

The superintendent of the park, Mr. C. G. Knott, showed some of the finest specimens ever shown in this city, a Childs and Ivory being 5 feet in diameter. His large table of cut flowers was unusually fine, and two good seedlings will probably prove worthy of cultivation. Fortunately for the florists this exhibit was not in competition.

H. S. Cruikshank of the City Greenhouses made probably the finest display of cut flowers; his vase of Golden Wedding would attract attention anywhere. He intends to exhibit some fine specimen plants at the summer show, and gives his brother florists fair warning. He is growing a large quantity of roses and bulb stock for Christmas.

J. Bebbington of Frederickton displayed very fine material. Some fine specimens of the odd looking 'mum Mrs. R. M. Gray proved a great curiosity. He also had the only display of pompon chrysanthemums. Mr. Bebbington makes a specialty of crotons.

John Cruikshank of Carleton, a comparatively new man, showed some good cut stock. He has built two new houses this season for general stock.

D. McIntosh showed some fine specimen plants (prize winners); a space of 45 feet arranged for effect was very well done and elicited great praise, it was really artistic and the quality of stock used extra good.

Wm. McLean showed some good palms, rubbers, and cut stuff not in competition. Billy is a general favorite and the life of a show. His decorative plants are always fine and find a ready sale.

John Allen, a new man, surprised the boys in good style. He showed the best single stem plants and cleaned out the crowd with some blooms of Dailedouze. All agreed that he deserved great credit. He will build a new  $\frac{3}{4}$  span house in the spring.

J. Stephens had a very pretty display of general stock, some grevillea being extra good. Mr. Stephens also proposes to make a good display at the summer show.

H. C. Goold of Sussex showed first-class plants, cut flowers, standard Ivories being extra fine. His display was probably the most artistically arranged. His dining table in yellow set for a full dinner was the feature of the show. Mr. Goold

makes a specialty of decorative work which has not hitherto been attempted by St. John florists.

Cruikshank's Golden Wedding was fine. Goold's Philadelphia showed up well. His Pitcher & Manda seedlings had the run, a white one being better than the Queen.

The Horticultural Association has acquired a large block of land to complete park, making about 230 acres. They have their garden laid out and fence up.

Mrs. W. H. Jones did not enter the exhibition, which to the general regret. Her gardener, Mr. Curran, has had some extra fine 'mums, some monsters.

E. Bruck's greenhouse at Mooreton was burned a few weeks ago, total loss, cause defective flue. Insurance \$800.

H. E. Goold has built a new  $\frac{3}{4}$  span house for Easter stock, using extra large glass. C. G. K.

#### San Jose, Cal.

The fourth chrysanthemum show of the Santa Clara County Floral Society took place in Turn Verein Hall on November 4, and lasted until the 9th. It was for the benefit of the Pratt Home for Orphans. The show was not near so good as former exhibitions, and was not a financial success. The place was daintily decorated with palm leaves, bamboo, and in the center of the hall was the word "Charity" in incandescent lights surrounded by flowers; the effect was very striking.

Mr. E. W. Parsons of South 10th street made the largest display. His palms were well grown and healthy, as also his ferns. The object of great attraction in his exhibit was his wedding decoration of white roses and violets, very artistically arranged. He showed some very good Major Bonaffon and Dailedouze, also some fine specimen Cocos Weddeliana.

Mrs. E. Schlaudt, the San Jose florist, made a large display of ferns, palms, begonias, roses and carnations. Some well grown Perle roses were shown.

Mrs. S. W. Boring made the finest display of cut blooms. The Harry E. Wideners and Dailedouze were grand, as were also her blooms of The World. She also showed the Bridesmaid rose and carnation well grown. No prizes were given, which accounts for the lack of interest in the show. The different shows this year going under the so-called non-competitive style proves conclusively that to have first-class exhibitions substantial prizes must be given. METEOR.

#### Redwood City, Cal.

The first chrysanthemum show of the San Mateo County Floral Society took place on November 1 and 2 in Germania Hall. The place was very artistically decorated with streamers, palm leaves, bunting, etc. A fine musical program took place each evening. Immense crowds packed the hall and it has been voted a financial success.

The Sunset Seed and Plant Company made a large exhibit of palms, especially kentias, seaforthias and phoenix. Their chrysanthemums were very fine also. They also exhibited carnations and roses.

Mr. Thos. McIntyre made the finest display of cut chrysanthemums. His Dailedouzes, Lincolns and Mrs. IIs were very good. He received first prize for the best single bloom and first for the best collection of cut blooms. He was awarded second prize for the largest and best collection of chrysanthemums, the first prize going to David V. Tuttle, gardener to Senator C. W. Felton, of Menlo Park. His display of potted and

cut blooms was excellent. Conspicuous among them were well grown plants of Mrs. Robinson, Beau Ideal, Geo. W. Childs and Helen Bloodgood. Mr. Tuttle received great praise for his well grown plants. A very fine display of tuberous begonias was made by Mrs. Ross. E. D. Jones, Esq., made a grand display of cut blooms, his Princess and Harry Wideners being hard to beat. Taken as a whole the show was a great success both financially and artistically. METEOR.

#### Notes About Chrysanthemums Taken November 11.

PHILADELPHIA, the sensational variety of last year, has fulfilled all the requirements as found in a good chrysanthemum. It has a stout stem, is beautiful in form, of fair size, and as to its coloring it suits some of us, but it cannot be called either a white or a yellow. It has given general satisfaction so far as I know. Its foliage is its weakest point.

MAVFLOWER is certainly an excellent variety. Those exhibited by J. N. May at the show held in Philadelphia last week surely deserve the title of *great*.

KATHERINE LEECH, also an introduction of 1895, is an excellent variety for cutting. In form and color it resembles Erminilda. It is a trifle larger, perhaps, and it has just a little more red in its coloring, and it may be a few days earlier. I cannot refrain from speaking here about the older variety, Maud Dean, which is still excellent in the so-called pink class for cut flowers, especially for home use. It is of good size. Its spreading form is, however, against it, I am afraid, for shipping.

EUGENE DAILEDOUZE stands out alone as about the best in the yellow class, being very bright in color, of fine form, and its general get-up stamps it as a gem.

THE QUEEN, when finely done, is still in truth a queen; and Niveus, its old time rival, is yet in demand. Its beautiful form and petalage renders it quite distinguished in any collection of chrysanthemums.

MRS. POTTER PALMER, one of the varieties which secured honors as a novelty at the World's Fair chrysanthemum show, is the largest and best incurred Japanese delicate pink variety for shipping as a cut flower that has come under my notice.

LORA ought to sell well as a cut flower if we could only get it into the hands of the retail florist in good shape. Its graceful form and delicate pink color appeals to every one who is fond of the delicate shades in color, rather than the more striking and decided colors. Now as to color; if what we call pink in 'mums was in any other flower—carnations for instance—it would be a bold person indeed who dared to call it *pink*. There is so much more blue in the chrysanthemum pinks than in any other, that the one in question is almost approaching to what is sometimes known as lilac.

MISS F. PULLMAN is a white variety after the style of the old Japanese importation Robert Bottomly. By the by, I noticed a fine flower of that good old sort at the recent show held in Philadelphia. What a strikingly rich yellow color is the Miss Louise D. Black. It is far and away ahead of anything else in this line, both as to color and form, not being so *lumpish* as the older Mrs. Louis C. Madeira.

MRS. A. W. SMITH is a beautiful, straight petaled, delicate shade of color belonging to the reflexed Japanese.

ILLUMINATOR is a useful late yellow variety for cutting, with bronzy mark-



IVORY.



DOMINATION.



MARIE LOUISE.

E. DAILLEDOUZE.

CHRYSANTHEMUMS AT BASSETT &amp; WASHBURN'S, HINSDALE, ILL. [PHOTOGRAPHED OCT. 28]

ings. When well grown it is very large and in form it is slightly incurved, with good petalage.

INTER OCEAN is another of the World's Fair debutantes, and resembles Vivand-Morel in form. It is delicate in color, but as frequently grown is not sufficiently stiff in the stem to hold bolt upright its large and fine flowers.

MRS. ROBINSON, one of last year's dissemination, is one of the best white varieties sent out for some years. It is also quite early and an excellent keeper.

E. L.

#### A Plea for Pompons.

BY GROVE P. RAWSON.

The present craze is for large blooms, no matter what the flower may be. There used to be a good demand for those dainty exquisite roses producing small buds, but now in these latter days they will not sell at the cost of production. Popular taste

is all for show—something big and noticeable.

As to 'mums, I like the whole tribe, grandfathers, grandmothers, pickaninnies and all. You cannot get too big and you cannot have them too small *enough*—for variety. Tiny Mme. Hoyslet, half an inch in diameter, is the Queen Titania of chrysanthemums—a veritable fairy, which, fairy-like, has disappeared from public view.

Chrysanthemum shows also delegate this class to the rear, and do not seem to even recognize their existence—as per premium lists. Pompons make elegant pot plants, and are very durable in bloom. At a flower store this distinct class would command ready sale for intrinsic merit, as well as appeal to the sentiment of by-gone days. I call to mind a grandmother's garden, gay with pompons late in October and on into November. The pompons are the hardest of the entire

family. Long before the chrysanthemum was recognized as a florist's flower the pompons had undisputed sway of the garden during the late fall months. Precocite and White Bedder are early whites. Canary Bird and Golden Bedder—light and bright yellow. Val d'Or, a quilled orange pompon, is very distinct. And there are pink shades, blush carmine, maroon, etc.—comprising a white range of color, as in the other classes.

The pompons naturally belong to the Chinese section, but there are hybrid varieties partaking of the Japanese character. I do not consider these hybrid pompons as specially desirable, being rather straggling as to growth, and much less floriferous. The Japanese anemones are another class I greatly admire for cut flowers. These excel all others, I think, for grace, artistic finish, and rare combinations of color. Still, as they are less durable they will never become commercially popular. Any florist who grows his own stock would find them useful for variety—as the trade occasionally demands something out of the usual line. At the Chicago flower show was a good exhibit, and the only shown of pompons, by Peter Henderson & Co., of New York. It proved a matter of considerable interest to visitors and attracted close attention. Pompons are not out-classed with amateurs and they serve admirably for a dainty display at general exhibition.

#### The New York Committee.

At the meeting of the chrysanthemum committee November 9 four varieties were exhibited, only one being recommended for certificate. This was Golden Wonder, a deep yellow Japanese shading to citron in the center, and was shown by T. H. Spaulding, Orange, N. J. It received 90 points. Mr. Spaulding also exhibited Pride of Castlewood, a white incurved Chinese, which received 80 points, and Violet King, violet and pink, fading to dull pink, Japanese. Wm. Powell, Seneca Falls, N. Y., showed a white Japanese under number. The last three were not recommended for certificate.

Varieties exhibited November 16 by John N. May: Pluto, orange red, reverse old gold, Japanese; 88 points. This variety is recommended principally for its strong, unique color and for exhibition. Alonzo, pearl pink, Jap. incurved; 88 points. This variety is a well built flower with good stem and foliage, but considered weak in color for cut flowers.

#### Chrysanthemums in Winnipeg.

Mr. R. Alston, the florist of Winnipeg, Manitoba, sends us a photograph of thirteen varieties of chrysanthemums grown by him. The flowers are certainly excellent, and include Niveus, Good Gracious, Marie Louise, Domination, Vivand-Morel, A. H. Fewkes, Ivory, Stanstead White, Wm. Tricker, The Queen, Lady Playfair, Florence Davis and a seedling.

Mr. Alston writes that he sends the photo to show "What we can produce in this line, as it is considered by some too cold here to grow anything." He thinks that there will be a chrysanthemum show in Winnipeg next year.

#### "Petalage."

What is meant by petalage? I notice that this, to me, indefinite term is one of the requirements of a new chrysanthemum to pass muster and receive a first-

class certificate before the committees appointed under the auspices of the Chrysanthemum Society of America. What old variety in commerce could be pointed to as worthy the full number of points (ten) in the opinion of experts? E. R.



### Carnation Notes.

I have had several communications asking how to treat rust-infested plants. Now I am not a very competent person to write on this subject, for my knowledge is mostly based on what I hear and read about. Although I have watched the development and spread of this pest very closely I do not lay any claim to a thorough knowledge of the same, and kindly ask my readers to bear this in mind when perusing my views as given below.

The assertion that rust is an importation from Europe is undoubtedly correct, as it is hardly possible its existence would have escaped notice in former years. We only know of this pest for the last five or six years, though it may have existed in some parts of the country, and by the general advance in carnation culture, the exchange of plants from all parts, the spread of this disease may have begun.

I am loth to acknowledge this, even fully admitting that wherever rust may have had its start there was little idea of what a pest would be disseminated, and to what extent it would injure the carnation culture in the future. More precautionary measures should have been observed by those who had some knowledge of the deadly influences of this pest, but as the saying is: "There is no use in crying over spilt milk." The question is how to eradicate it.

Different conceptions are entertained as to the most effectual way this can be done, and as there are even different descriptions given, showing that it is not fully known yet to everybody, confounding other diseases with the rust, I will shortly describe its form and ravages in carnation culture.

Rust is a fungus and grows inside under the epidermis of the leaf and stem. When ripening its spores, small eruptions are formed which break open and discharge the spores in the form of a very fine brown powder. These spores are of two kinds, one that will grow immediately if met by the elements essential to its growth, while the other will lie dormant for months. This twofold nature of the spores gives rise to many misconceptions as to the eradication and reappearance of this pest. As the seat of this fungus growth is not in reach, impregnable to the attacks of destruction, a radical cure would only be to destroy the plant with the fungus it contains. But considering the nature of the dormant spores, which may escape our vigilance, the minuteness of the spores altogether being carried by the wind for miles; will this justify a wholesale destruction, when the plants to replace them are in the same danger of being attacked again? In sporadic cases to destroy the plants affected is the most effective.

As the actual fungus growth is out of our reach we must try to destroy what we can reach, that is the spores or seed.

Indeed a very slow process considering their nature and the tenacity with which they stick to plant and soil. But if every grower whose plants are afflicted with this disease would wake up to the necessity of doing this much could be accomplished. Especially should a concerted action be followed, where several establishments are in close proximity.

These are the points to begin the fight, a long fight it will be and only perseverance will win.

Two main points should guide all our actions. First: To maintain and help to keep the infected plants otherwise in as healthy a condition as possible. By doing this the plants will do a good deal of the fighting themselves. We must try to keep up their strength in every possible way. Second: To make it as uncongenial for fungus growth as possible, without interfering with the growth of the plants. To begin action, remember the adage, "A stitch in time saves nine." Our vigilance should ever be on the alert. If rust was on the place before or if there is danger of spores being carried by the wind from a neighbor preventives should be used. The appearance of the pest may possibly not be averted, but it may help to diminish the evil.

There is no absolute remedy known yet, no compound that will totally kill the rust without injuring the plants also. We are entirely dependent on such remedies as are used in general to destroy fungus. But if these are used in conjunction with every means possible to interfere with the germination of the spores much may be gained.

I wish to refer here to my views on support and watering, related in my previous notes on carnations. Plants properly supported, open to air and light, are also open to the spray of the destroying solution. On the other hand, if the foliage is kept dry, moisture is withheld, the germination of the spores is interfered with. Give all the water needed to the soil, but never spray unless it is desirable to apply a solution of some kind, and to do this select a sunny bright day. If the surface of the soil is washed even and smooth (I never stir the soil after the first killing of weeds), covered with Bordeaux mixture, saturated with copper solution, it will make a very uncongenial bed for the spores fallen or washed off by the spray. Especially I would warn against insufficient ventilation and to guard against the forming of dew, the result of an uneven temperature in all parts of the house. The lower affected leaves may be removed and destroyed. Sulphur applied on the heating pipes the same as practiced in rose-houses, fumigation attended to; this may not have any effect on the rust, but it will guard against other enemies.

These are my views on this question. Vigilance and perseverance should actuate every grower and much good would be the result. These are our weapons so far and I hope that our learned men who have taken a willing hold of this question may furnish us with weapons more expedient.

FRED DORNER.

### American Carnation Society.

PRELIMINARY SCHEDULE OF PREMIUMS TO BE OFFERED AT THE NEW YORK MEETING IN FEBRUARY NEXT.

REGULATIONS GOVERNING CARNATION EXHIBITS.

First: All entries not made according to the schedule will be disqualified.

Second: All entries must be staged by 11 a. m. the opening day of the exhibition.

Third: Non-members of the society must pay an entrance fee of \$2 for competing in any of the

classes, and an additional fee of \$5 for competing with a new seedling. (See following rules.)

Regulations governing the competition of seedlings for the certificate of merit of this society:

First: The variety must have been bloomed three years.

Second: Not less than fifty blooms must be shown.

Third: At least one plant must accompany the exhibit to show the growth, etc., of the variety.

Fourth: Exhibitors entering a new carnation for this certificate are required to pay an entrance fee of \$5.

### PREMIUMS.

Class A: Vases containing fifty blooms of one variety, as follows: White; pink, light, not to be darker than Wm. Scott; pink, dark, not to be lighter than Tidal Wave; scarlet; crimson; yellow; variegated. For each variety, first premium \$7; second premium \$5.

Class B: For vases containing twenty-five blooms each, as follows: White, Lizzie McGowan, Uncle John, Mrs. Fisher, Bride of Erlescourt, Alaska, Sorm King, Kohinoor and any other white.

Pink (light): Wm. Scott, Albertini Daybreak, Sweetbrier, Rose Queen, Peachblow, Ada Byron, Nicholson, Bridesmaid and any other pink (light). Pink (dark): Tidal Wave, Thomas Cartledge, Ophelia, Mrs. Hitt and any other pink (dark).

Scarlet: Portia, Stuart, Fred Dorner, Garfield, Corsair, Lizzie Gilbert, Emily Pierson and any other scarlet.

Crimson: Anna Webb, Jacqueminot, Ferdinand Mangold, Meteor, Iago and any other crimson.

Variegated (white ground): Helen Keller, J. J. Harrison, E. A. Wood, Minnie Cook, Princess Bonnie, Daisy Bell and any other variegated (white ground).

Variegated (yellow ground): Buttercup, Bouton d'Or, Goldfinch, Dean Hole, Kitty Clover, Eulalie and any other yellow. For each variety, first premium \$5; second premium \$2.

Class C: For vases containing 100 blooms each of one variety as in class A. First premium \$7, second premium \$5.

Class D: Pot plants, the pots not to exceed seven inches in diameter and one plant in a pot. Best six plants of each color as in Class A. First premium \$5, second premium \$4.

Twelve distinct varieties: First premium \$10, second \$7.50. Twenty-five distinct varieties: First premium \$20, second \$15. Honorable mention will be made of all new varieties of distinct merit.

A certificate will be awarded to the vase of carnations on exhibition showing the best culture.

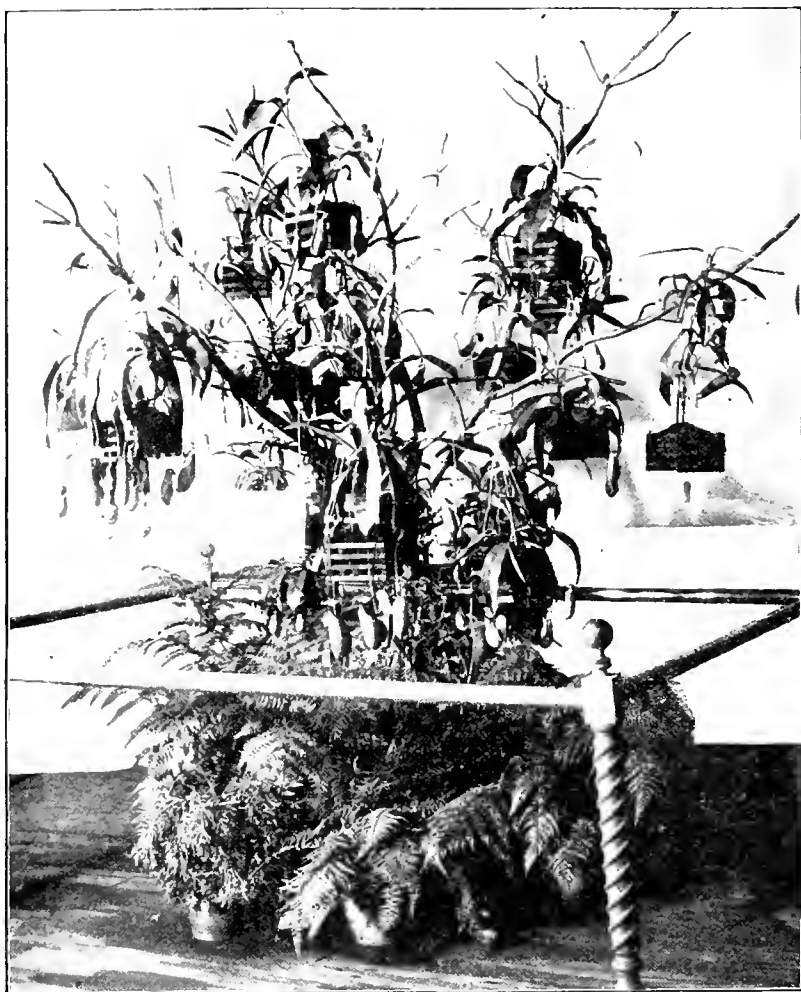


### Defective Blooms on Beauty.

I should like to hear from some readers of the FLORIST the cause of Beauty buds being curly and ragged at the end, as though they were worm-eaten. The plants seemingly in a good healthy condition. What day temperature is best for Beauties on a cold cloudy day; also usual night temperature?

Should ventilation be given before watering? What temperature before watering? What temperature and ventilating on bright days. SUBSCRIBER.

There seems to be a good deal of complaint among Beauty growers this season, as there was last winter, on account of this trouble—deformed and poor shaped flowers. I have been fortunate enough to escape the pest so far, whatever it may be, and not having had any experience with it, am unable to state positively what causes this malformation, or to give any sure remedy for it. I was told by a prominent grower who has lost several crops, or rather a large percentage of several crops of Beauties, that the bud was damaged when very small by a very small white insect, so small in fact that a microscope is necessary to discover it, and that no fumigating or spraying with insecticides would affect it in the least; the



MR. E. G. UHLEIN'S DISPLAY OF NEPENTHES AT THE CHICAGO SHOW.

only remedy so far as he knew, and the one he is adopting, being to cut off all such buds as soon as they are large enough to show the unnatural shape and burn them up. Whatever the nature of the trouble, it does not seem to affect the constitution of the plant, for the plants I saw which were producing nothing hardly but deformed flowers were in the best condition possible as regards foliage and vigor of stem. It seems to me that the best cure would be a change of stock, provided of course that plants positively free from contamination could be procured.

For Beauties I have found the best night temperature to be from 58° to 60°; some growers recommend a trifle higher temperature, but too much fire heat is liable to produce a large amount of blind wood, whereas too little heat will retard the opening of the flowers, and the result will be a poor faded color. On cold cloudy days when it is necessary to fire four degrees higher than night temperature is generally sufficient for all roses. When the thermometer shows the temperature of the house to be eight degrees warmer than it is run during the night the ventilators should be raised, not enough to lower the temperature, or to keep it from rising, for here is where careless or inexperienced people get into trouble and pay for their carelessness with a good dose of mildew. To allow a rose house to stay closed up tight with the sun beaming on the glass until the thermometer registers 80° and then open the ventilators a foot or

more gives the plants much the same feeling that a man gets after cutting his roses on a hot day in June, and then sitting down in the ice box to cool off. Pneumonia would likely follow in the one case, and something analogous to it would happen in the other. The ventilators should rise with the temperature of the house until when 20° above night temperature is reached they are almost wide open; this of course will not apply on a very cold or windy day; the operator must then use his own judgment.

In winter syringing should be done as early in the forenoon as possible so that the moisture may be dried up before the ventilators are closed. It should never be done except on bright sunny days, and if the temperature of the house is about 70° it is perfectly safe to syringe with open ventilators. But while the plants are wet should the sun become obscured and the temperature fall the ventilators must be lowered to correspond.

ROBT. SIMPSON.

#### Rose Notes.

In my last notes I suggested the bringing into the greenhouse and starting up any hybrids grown in pots or boxes as soon as possible; this of course had reference to such only as are to be grown for the cut flowers, and not for sale as a pot plant. It is not advisable to start up too many at once, the wiser plan being to spread them out over the season, not leaving very many to bloom after Easter. In

pruning hybrids some growers leave the very strong shoots three or more feet long and bend them over so as to secure breaks all the length of the stem; this may be a good plan to follow where the plants are in solid beds, but is not the best for boxes or pots; I prefer to plant close enough so that they can be pruned down to within from six to eighteen inches of the soil. I think a safe rule to follow in pruning is to cut back hard all weak growing varieties, leaving the shoots longer on the strong growing kinds. If judgment is not used in this operation the plants soon become ill-shaped, but with care they may be kept in fine condition for a number of years. If possible a good sound plump eye should be left at the end of the shoot.

After being grown in the pots or boxes for a year the soil will be almost exhausted, and a good liberal mulching of well rotted manure will help the plants very materially; this should be applied before the buds are started, having first cleared off all weeds and dead leaves. The soil on the surface should be loosened and a sprinkling of bone meal added. Asearly in the season as October or November a temperature of 50° to 53° at night, with ten to twenty degrees added on bright sunny days, will be found about right; those started about Christmas should have a maximum night temperature of 50°. I have always found that syringing the plants often, say two or three times a day, and spraying the steam pipes at the same time, for the first three weeks encouraged them to break more freely.

The list of hybrids thoroughly satisfactory is a very short one. Mme. Gabriel Luizet, Magna Charta and Anne de Diesbach, once so popular and extensively grown, for some reason are not now in demand. The very best selling varieties, at least in our market, are Ulrich Brunnner, red; Gen'l Jacqueminot, crimson; Mrs. John Laing and Baroness Rothschild, pink; and Merveille de Lyon, white. Three new European varieties that we have tried for the past two years promise to become useful and probably standard varieties: Captain Hayward, about the color of Jack, is apparently larger and finer than that grand old variety. Marchioness of Londonderry is an extremely fine flower after the style of Merveille de Lyon, but fully twice as large. The shape of the flower is perfection itself, the keeping qualities unsurpassed; the color would be more pleasing if it was a little clearer white instead of a pearly white. However, it promises to be an excellent rose for late forcing. It is very difficult to propagate from cuttings, and will probably have to be increased by budding or grafting. Rodocanachi, while not a new rose, is nevertheless new to a great many people. There is quite a history connected with this variety. It was introduced by Eugene Verdier in 1880 along with about a dozen other new varieties, and having been tested the whole batch was consigned to the rubbish heap, Rodocanachi sharing the same fate as the rest because of her disreputable companions. It is said that it was lost entirely, with the exception of a few plants in the possession of an amateur rosarian in the south of England; during the last few years, however, it has been propagated extensively by one or more firms on the other side of the water and can now be had at reasonable prices. This rose is a beautiful cherry red, a very free bloomer, with fine stiff stems and handsome foliage; it sold better with us last season than even Brunner; it only fault as far as I see is its tendency after blooming to make only about one very strong shoot to each plant. This fault



may perhaps be overcome with plants on their own roots.

Those who grow roses purposely for the summer trade, and everyone who must have roses all the year round should grow some purposely for this season of the year, must make preparation now for next summer. Roses that have bloomed all through the winter are not in a condition to produce salable flowers during June, July and August; if the plants are to be run a second year these are the months when they should have a season of rest, and if we follow the plan of replanting every summer our young plants will be so small at this time that it will be impossible to cut anything worth speaking of from them, so it would seem that we must have winter blooming plants, and plants for the summer trade. These may be planted during March or April, and may be grown on either raised benches or solid beds, preference given to the latter provided they are thoroughly drained. They should be given a house, however, provided with perfect ventilation on the south side as well as at the ridge. The best varieties for this purpose are *Perle*, *Meteor*, *Kaiserin* and *Niphetos*, where the latter finds a sale. There is some uncertainty as to the best pink for this purpose. *La France* is not called for as in former years. *Testout* is too single and drops easily; so perhaps after all the best pink even for summer is *Bridesmaid*; certainly this rose sold the best in our market last summer. *Meteor* makes fewer deformed and discolored blooms on a bench than in solid beds, and should have a good warm house, or the blooms will be useless early in the fall. *Kaiserin* well grown is easily the queen of roses in summer either in the greenhouse or out in the garden; grown in solid beds it makes magnificent blooms with stems three to four feet long. If you haven't already done so, lose no time now in getting in a good batch of cuttings of these varieties for the purpose named. *Kaiserin* is rather difficult to root, so it is well to allow for a large percentage that may be lost.

The temperature in the *Meteor* houses must now be kept well up, 65° to 70° at night, with 75° to 90° during the day; no deviation from this must be allowed or the buds will refuse to open on time. At this temperature red spider must be anticipated; syringe hard and don't give him a chance.

Any roses still growing out of doors intended for pot plants next spring or for forcing for cut flowers should be carefully lifted, and potted in good rich soil, taking the precaution to drain the pots thoroughly, and either brought into a cold house or stored in a frame; if possible they should be protected from frost, and they will then commence making roots, which will be of great benefit when the plants are pruned and started into growth.

ROBT. SIMPSON.

Among English Gardens and Nurseries, 1895.

[Abstract of a paper read before the Boston Gardeners' and Florists' Club by E. O. Orpelt.]

It is becoming more and more the custom for those of our craft who can spare the time to take a trip across the ocean sometime during the summer season, to see how they are progressing over there, to find out in what particular branches they excel and to broaden one's mind, for there is danger of becoming bark-bound by too long a vegetation in one spot, and while we as a profession are not to be classed as pedantic, there is no doubt

that we are liable to get to think at times that inasmuch as ours is the greatest country on earth, there is no other where things in our line are done better. Now, it is a well known fact that during the last decade, horticulture has made great strides in our land, but there still remains a vast deal to do before we shall see it as full of flowers as the one of which I am about to tell you; one cannot help remarking that as soon as fairly landed, the flowers in the cottage gardens strike one as omnipresent, the tiny allotments with tinier greenhouses that are attached to almost all the houses in which artisans live, seem to be the rule even in the suburbs of the grimmest cities, and these are the source of supplies for the cottagers' shows that are so numerous in all parts of the kingdom, and where one can see vegetables and flowers, as good of their kind as in the largest gardens.

After an absence of nearly ten years it is an education for any one to go back and look over the things again that one used to be familiar with, and old things seem new again; some that were forgotten are brought forcibly back to memory, and one is profited by the experience immeasurably, to say nothing of the rest and change that is so essential to those who are engaged in a profession that demands our attention during all of our waking hours, and oftentimes in winter cold, causes us to lose considerable sleep, but a six weeks' absence from the scene of our labors, with two weeks of this compulsory rest, does one a world of good, and the recipe is strongly recommended for those who need a change and can spare the time.

My first visit was to Veitch's. The great work done by this firm in orchid hybridizing is now carried on at a branch establishment at Slough far away from the vile influences of the fogs and smoke, so I did not see any of this work, but there were many fine things in bloom at that time, including some that were new. I was much pleased with a fine race of dwarf caladiums they have been developing of late, kinds that do not grow more than a foot or so high, but of the most intense coloring of any; the green seems to have been entirely eliminated from many, and yet the constitution of the plants is unimpaired. There is a great future for these as decorative plants when they become better known. The houses of amaryllis were not in flower of course in the beginning of August, but the superb growth they were making was a fine promise for next spring. It was one of the most noticeable things of any during the trip, to see at almost all places large houses and pits devoted to amaryllis; they were in great quantity at Kew, at Westonbirt, at Joseph Chamberlain's, and often in small gardens of very little note we met with them in quantity, and the prices that were paid were as much a surprise; lots of bulbs were seen that had cost twenty guineas each, and some were in very small gardens; the craze for amaryllis bids fair to rival that of the tulip in days gone by, but is far more legitimate. The great cattleya house at Veitch's was a treat to look through, a house where neither money nor facilities are spared to bring about the best results that can be had in the climate and locality of London.

My next start was to St. Albans, where friend Dimmock was waiting to do the honors. I arrived there early in the morning, and walked from eight to nearly one o'clock without stopping more than a minute or so in any one house. It is a gigantic place, where houses are devoted

to often one variety of cattleya alone; the huge importing rooms and packing sheds makes one stop and wonder where all are sent, and marvel at the increase in popularity that has taken place within a few years for these plants. There are also the publishing rooms of the regal *Reichenbachia*, and artists at work on the plants that are in bloom possibly for the first time from the seedling state or their native wilds; these are faithfully portrayed and from thence circulated round the world. There is also a museum of respectable dimensions, of relics and curios brought home by the many collectors; some of the gods from New Guinea are unique. The hybridizing department presided over by Mr. Maynard was of intense interest; seedlings are there really by the million, and it is within reason to believe that some day Mr. Sander will be able to stop importing and ask people to patronize only home industries in the shape of home raised hybrid orchids.

My next day's rambles found me at Anthony Waterer's famed rhododendron nursery at Woking. There is a long walk or drive perhaps half a mile long lined on both sides with specimen rhododendrons, some twenty feet high and more in diameter, and this must be a superb sight in the blooming season. Rhododendrons had suffered from a late frost they had in spring after the plants had begun to grow, but winter injury from frost was unknown. Large tracts of fine young stock were being lifted and the roots trimmed off, so they were about large enough to fit a 9-inch pot, and I was told that these were already sold for export to America; these were then planted in good ground well prepared, and when the time came to lift for shipment all would have a quantity of fresh young fibres, and at the same time have no superfluous weight of soil to add to the freight. We have heard a good deal lately about *Vitis Coignetæ*, the new Japan grape vine with gorgeous foliage in autumn; there is a unique specimen at this nursery that has clambered over a tree near by and has attained a height of thirty feet over neighboring trees, and rambles about as our native grapes do here. It must be gorgeous in autumn, and the strange part of it is, no one seems to whence it came, but its identity was recognized on the same plant being recently brought over from Japan under the proper name. I saw here also the whole stock of *L. Parkmanii* and was sorry to learn that it would probably never be given to us to grow; there seems to be no possibility of propagating it or increasing its vigor.

Next day was spent at Coombe Wood Nurseries of Messrs. Veitch, and it seemed just like going over the grounds of the Arnold Arboretum again under a new chaperon, the same diversity of site, soil and exposure and a very similar collection of new plants from Japan collected by Mr. Veitch in company with Professor Sargent. How I wished that our friend Jackson Dawson had been there to compare his vast fund of information and experience with that of the manager there. Lately we have heard a great deal about the *Crimson Rambler* rose, and I suppose most of us by this time have seen it in bloom, but it will be a revelation to you all in coming seasons when this fine introduction becomes acclimated here, to see the way it can grow and flower.

Covent Garden was seen in all its bustle and business of an early Saturday morning, also H. B. May's place, one of the largest places that are to be seen near London for the production of a small

stock for sale in Covent Garden. I went also the same day to a sale at Protheroe & Morris's rooms in Cheapside. I had read so much of these centers of distribution that I was anxious to see the methods in practice there, and it was very interesting to see the quiet rapid way in which large stocks of plants were knocked down, the feature of this day's sale being a lot of about two hundred well grown *Odontoglossum grande* from Pitcher & Manda; they were easily recognized by the standard pots and the fern root in which they were grown; the standard pots were examined curiously by the numbers of growers there present, and they were greatly interested in being told how these standard pots came to be adopted by American growers.

At Cheltenham one can see perhaps the finest lot of specimen plants in existence to-day, Mr. Cypher being about the only one left now to show the public how hard wooded plants, ixoras, stephanotis, dipladenias, bougainvilleas and many others can be grown; in my time there was a trio of growers who used to travel up and down the kingdom to the large shows, but all are now gone but Cypher, and at the time of my visit he had plants out at four exhibitions, and still there were many specimens at home in fine condition to send off the following week. Mr. Cypher is a fine example of a man who has by his own energy and ability risen from the position of a gardener and coachman to be one of the leading if not the leading plantsman in England to-day, and he is progressing even in old age. Orchids are among his more recent acquisitions, and he holds his own among all comers equally well as with other classes of plants.

At Sutton's my time was limited to two and a half hours, and this was spent at the greenhouse trial grounds, where they grow the gloxinias, cyclamen, begonias, primulas and all such plants. Their tuberous begonias were a revelation to me; we cannot begin to grow them over here as they do in the British Isles. I saw double begonias that were bearing flowers as large in diameter as any hollyhocks, and it only took two of these to weigh one pound; a man could not clasp one of these flowers between his finger tips without crushing it. Gloxinias were at their best and cyclamens and primulas looked as though they were all turned out of a mould like so many standard pots, so even were they and clean. Roller blinds are used to all these houses and as much care taken as if it was a house of *odontoglossums*.

It took a whole day to see what I was most interested in at Kew, but had I been a specialist in any one department of horticulture, it would have taken a day in any one division, even the herbarium or museums, so vast are they. I went there armed with a letter of introduction to Mr. Nicholson, of dictionary fame, and this secured an entrance in the forenoon, the gardens being open to the public at noon each day. Mr. Nicholson was busy when I arrived, and he deputed the decorative garden foreman, Mr. Garrett, to take care of me until later and at noon Mr. Nicholson was kind enough to take me where I had not been, and we walked till six o'clock, seeing something new at every turn, and he was just the one to make a visit of most interest. He did not take long to average me up, as it were, and then took care to show all that he thought would please me, the great rock gardens, hardy ferneries, propagating houses, bulb sheds, North gallery, the great ranges of greenhouses and even the

long subterranean tunnel made to take in the fuel for the great palm house. It goes under the part of the lawn and flower beds that surround this house to a place hidden from sight in the back grounds, and all ashes and refuse are taken away by the same route. It was very interesting to see the number of boilers situated at various points underneath the great structure, and at the time of my visit they were putting in some new ones, and making all independent of each other in case of accident. The kind used was of small size, not much larger than an ordinary Gurney, but said to be very powerful heaters, coke being used as fuel, and all being as clean below as above in the house itself. Great additions are being made to the grounds and men who used to know Kew will I am sure be surprised when they visit it again; large areas have been added lately, fences taken away, grass kept short, planting done, and nothing is left half done in any department; it is an institution worthy in all respects the great nation that has called it into being and maintains it in such good order.

[TO BE CONCLUDED NEXT WEEK.]

#### Philadelphia.

The annual chrysanthemum supper of the Philadelphia Florists' club was held at Dooner's Hotel on Wednesday evening November 6. It was a most enjoyable affair although not as numerously attended as such occasions are wont to be. The distinguished guests of the evening were President Wm. Scott and Messrs. J. H. Rebstock, S. A. Anderson, Daniel B. Long, of Buffalo, B. Dorrance and George Fancourt, who also helped to represent Buffalo in their shooting team. Messrs. Herr of Lancaster and Dillon of Bloomsburg and Hon. Wm. B. Smith ex-mayor of Philadelphia, who acted as toastmaster in his inimitable style.

The American society was toasted and President Scott responded in an able address. After expressing his delight at being with the club around the festive board he spoke of the good time he and his fellow townsmen had had that afternoon at the traps. He also paid his respects to the show and mentioned some of the grand varieties on exhibition. The National Society now engaged his attention, he predicted a grand meeting at Cleveland next year, which was a central point easy of access from all parts of the country and a most beautiful city, an attraction in itself. He urged all the members present to do all they could to further the interests of the society; he would be glad to get suggestions upon any matter that members were interested in, he did not like the idea of the executive committee doing all the work, he wanted every member to feel as if it was his society and to take a personal interest in the work. His remarks were embellished with several anecdotes told in his best style. Robt. Craig was now called upon and in a very concise and telling address he referred to the show, which he said excelled in some points any of its predecessors. Mr. Heacock's Mr. Simpson, and Mr. Hill's Mrs. Perrin, were quite a distinct advance over anything of their color now in commerce, and there were several other promising seedlings that would have been thought wonders a few years ago. The improvement would still go on, the top of the ladder had not been reached. Next season would bring its surprises, as had come this year and last.

It remained for Mr. John Burton to make the speech of the evening, which he did in a very forcible manner. What he

said was to the point and called forth shouts of laughter and applause. We should not be surprised to find that John has the congressional bee in his bonnet, as any man who can make such a speech as he made on this occasion can have most anything he asks for, he was simply irresistible and completely captured his audience. Mr. Long and Mr. Anderson made short addresses. Mr. Farson also gave one of his old time talks, John Walker sang a parody on the trip to Europe, and there were other songs and recitations. A very good recitation by Mr. George Fancourt was well received. Secretary Stewart who came in late was introduced by Mr. Scott as "My Secretary" but Mr. Stewart said no, not for two months yet. He also responded to a toast a short time afterwards. The party finally broke up at a late hour joining hands and singing Auld Lang Syne.

It was a merry crowd of growers that gathered at the traps on the club grounds at Wissinoming on Wednesday the 6th inst., to meet the Buffalo boys and shoot them a return match. There was quite a number present and considering that all were amateurs the scores made were very good and some of the gunners showed real championship form. Mr. Scott, after shooting into a tie with John Burton and George Anderson in the fifth event in the deciding match won a pretty smoker's outfit. In the first event, fifteen birds, Messrs. Dorrance, G. Anderson and Burton made 14 points each, in the shoot off Anderson and Burton tied and Anderson finally won. Scotch persistency is a great thing and George has a way of getting there that keeps him well to the front whether it be business or pleasure that interests him.

The prize won by Mr. Anderson in the first event was a cartridge carrier. The third event, a team shoot was won by Philadelphia, and the prizes for highest individual score went to B. Dorrance with Buffalo, and George Anderson, Philadelphia. The fourth event, 15 targets handicap, A. B. Cartledge was first, winning a gold medal, and Ed. Reid second, his prize being a silver medal. In the fifth event, 10 targets handicap, unknown angles Geo. Anderson, W. Scott and John Burton tied on nine each. On shoot-off Mr. Scott won with score of 9, Burton second, 8. Next came 5 pairs, no handicap; Ed. Reid, Geo. Anderson, Chas. D. Ball, Jno. Burton, A. B. Cartledge and Jno. Fertsch tied on eight each. At shoot-off Anderson won. Next 10 targets, consolation open to non-prize winners. J. J. Styer, Jno. Fertsch and Chas. D. Ball tied on seven. At shoot-off Fertsch won first, Ball second, Styer third.

Quite a number of ladies graced the occasion with their presence and taken altogether the Gun Club are to be congratulated on the management of the tournament, which was a grand success. K.

At the meeting of the Florists' Club held at Caledonian Hall Tuesday evening, November 12, Robert Kift, President, was unavoidably absent owing to a severe attack of neuralgia. Vice-president David Rust, however, presided like a veteran.

Mr. Wm. R. Smith, Superintendent of the Botanic Gardens in Washington, who is an honorary member of the Florists' Club here, was in attendance, and as he has made a thorough study of street trees and their care he was called upon to give us some information upon this important subject, which he did in a very instructive and interesting manner. Mr.

Smith predicts a day of reckoning in Philadelphia if more intelligence is not exercised in the planting and caring for the trees in the streets here. More space should be left uncovered by the flagging or other materials used in making pavements, so that the trees may receive needed sustenance and more moisture than can be given in many instances under present conditions. In the matter of economy it would be much better for all concerned if the requirements of the trees were considered more intelligently than is now done. In Washington there are 60,000 shade trees systematically planted on the streets of the Capitol City, of which there are sixty varieties, but about six can only be pronounced gratifyingly successful for that purpose. Mr. Smith warned those who contemplated the planting of street trees in cities that the variety of tree which is successful in one city may not be successful in another. At Atlanta, which city Mr. Smith had recently returned from, the trees there which are a grand success are only partially so in Washington, and in some cases are total failures, and vice-versa. Mr. Smith placed the Norway maple first in his estimation as a street tree.

Mr. Joseph Heacock, chairman of the committee on arrangements, is on the cards to tell us, in a paper to be read at the next meeting of the club, how to conduct a flower show. Some of the members wanted Mr. Watson, secretary, to give his views upon the same subject also, but he declined, stating that he could not give any advice upon so important a subject with the limited experience which he has had in that line. No doubt there will be a large attendance and an interesting meeting next month; for we are all seeking information on the lines likely to be laid down by Mr. Heacock. L.

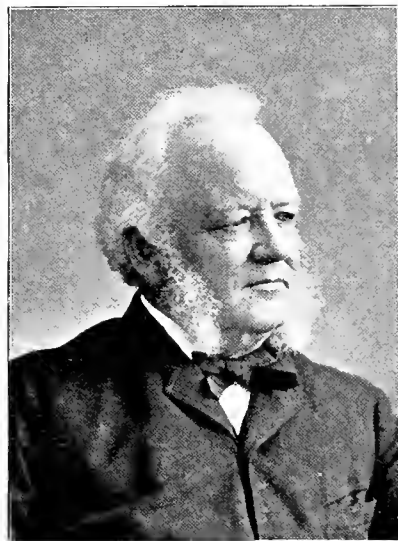
#### Boston.

The depression in the cut flower trade noted last week still exists, but is less severe than it was, and a gradual improvement is now in progress. The funeral of the late Eben D. Jordan called for more flowers than any similar occasion here for years, and the surplus stock was well depleted. Nearly all the florists had a share in the work. C. P. Grimmer secured the church decoration and arrangement of the designs at the church and the grave. There were a great many large and showy designs, and the quantity of roses, violets and chrysanthemums used up for this purpose was enormous.

The warm weather of the past week has driven an unusual supply of flowers of all kinds into the market. Colder weather will bring a reaction and corresponding scarcity. Chrysanthemums will certainly come to an end much earlier than usual. Even now most of those being received have a bedraggled appearance, as though already kept too long, and "wake nicks" are seen in abundance. Roses, too, show the effects of the heat and are colorless and soft. Violets are not up to standard in quality, prices ruling low and demand very light.

Three months ago there appeared in these columns the story of a little reception to an old time Boston gardener, Mr. C. M. Atkinson, prior to his departure for England, by a number of his gardener and florist friends. To-day comes by cable the sad news of his sudden death. Mr. Atkinson was one of the most skillful gardeners in America. He came here from England in 1857, his first position being that of foreman at the establishment of Hovey & Co. Here Patrick Norton, Jackson

Dawson and James Doherty were among his pupils. Three years later he went to take charge of the famous Cushing estate where Patrick and Michael Norton both served under him. In 1863 he became superintendent of Mt. Hope Cemetery, where he remained five years, and then went to the John L. Gardner place in Brookline, holding this position for twenty-seven years. He resigned one year ago on account of advanced age and poor health. As a grower of hard wooded greenhouse plants and other difficult subjects he probably had no equal in this country, and his name appears constantly on the records of the Mass. Horticultural Society as a prominent and successful



THE LATE C. M. ATKINSON.

exhibitor. Although a gardener of the old school, he always kept in touch with the advance in horticulture and alongside the progressive younger element.

Visitors in town: Jas. A. Fraser, C. H. Joosten and H. A. Siebrecht of New York, and Martin Finaghty, Lenox, Mass.

#### New York.

New York is having its share of the exhibitions. Last week the American Institute gave a fine chrysanthemum display at its rooms free to the public. This week W. A. Manda's exhibition at the Grand Central Palace demands attention, and next Monday the New York Florists' Club will open its annual show at Madison Square Garden in connection with the show of the Live Stock Society of America. The display of chrysanthemum blooms at the American Institute rooms was exceedingly fine. G. H. Hale, gardener to J. E. Brown, made a very extensive exhibition, and Dailedouze Bros., J. N. May, T. H. Spaulding, John Lewis Childs, H. M. Flagler and others were all well represented by superb blooms of the leading favorites. Roses and carnations were also shown in fine form and variety by leading local growers. Certificates for seedling chrysanthemums were awarded to T. H. Spaulding, and for new canations to J. N. May, Dailedouze Bros. and C. H. Allen. Cultural certificates were generously awarded to nearly every exhibitor in all the classes.

The market during the past week has been completely stagnated with the superabundance of flowers of all kinds, due in part to the summery weather that has prevailed. The dissatisfaction on the part

of the flower growers seems to increase, as would be expected, for the season is getting well under way. Flowers can not be grown at a loss all the year through, and the period in which profitable returns can be relied upon is becoming dangerously short. Naturally everybody is looking for the cause of the trouble, and each has a remedy, which if applied with vigor would set everything right, but the more the problem is discussed the farther off from solution it seems to get. One noticeable feature of the past week has been the indifference of the fashionable buyers towards the violet. The horse show last season was the signal for an unprecedented rush on violets, with the inevitable result of an unprecedented price. That the resentment of the public against what they regarded as an imposition should have effected a prejudice against the violet is not unlikely, and the fashion of wearing artificial violets throughout last winter was attributed by many to this cause. From present appearances the public has a good memory.

Another fruitful subject for discussion in trade circles has been the declared intention of the authorities to enforce the Sunday closing law among the florists. It has been the custom of many of the florists, wholesale and retail, to keep open during a portion of the day, at least, and considerable trade has been done, but no such amount as the exaggerated reports in the daily papers would indicate. There is no reason why a florist should not have one day in seven to himself as well as his neighbors in other professions, and if Sunday operations were confined to the filling and delivery of orders previously given for funerals and other occasions falling on Sunday, increased Saturday night trade would compensate in part for the loss of Sunday sales and in the long run the actual injury to the business at large would be insignificant as compared with the benefits attained.

The New York Retail Florists' Alliance is now fully organized. At a meeting on Monday evening last at the Imperial Hotel officers were elected as follows: Chas. Thorley, president; Alex. McConnell, first vice-president; John Scallen, second vice-president; Chas. Dards, secretary; Geo. M. Stumpp, treasurer. The next meeting will be in the society's permanent apartments in the Alpine Building, 32d street and Broadway, on Monday evening, November 25.

Ford Bros, formerly in the employ of M. A. Hart, have opened a wholesale commission store for the sale of cut flowers at 141 West 30th street. Like the horse car, the commission business seems always to have "room for one more."

Died on Monday, November 19, Emily, wife of W. H. Long. Mrs. Long in years past was well known as a skillful flower worker in the establishments of LeMoult and Mrs. Fitzpatrick. Her cheerful and kindly disposition won for her many friends in the trade who will learn of her death with sadness.

Visiting New York, A. W. Bennett, of Schenley Park, Pittsburg.

#### Buffalo.

Since my last notes business has fluctuated to a considerable extent. Two weeks ago we were all very busy, while last week was rather quiet; again this week there is a wake up. To a large extent the good business is attributed to a host of young ladies who are budding into society. Let them bud; it's excellent for business. Flowers of all kinds have been

very plentiful, and they have to be of first quality to meet with ready sales. T. A. Webb is sending in some fine chrysanthemums. He had a few days ago a house filled with Lincoln, Golden Wedding, Wanamaker, and a few others that would for size and substance be hard to beat anywhere.

Grove P. Rawson, of Elmira, and Wise Bros., of East Aurora, are sending in very fine violets; the former is also supplying our market with A1 roses, while the latter is again on top with carnations. This man is a scientist on carnations. The peculiar wants of every variety is studied, disbudding is regularly done, and the consequence is flowers of great perfection are produced. Mr. Wise took a trip to Corfu with the writer last week, and although he saw a dozen houses of what we consider good carnations we could see by the quiet smile on his face that he considered we were not in it. I trust, for expenses sake, that he will not require a larger sized hat before winter is over.

A dinner was given last week by the leading business men of Buffalo in honor of the visit of Dr. Chauncey M. Depew. The exclusive club house was lavishly decorated and the inimitable jokes of Chauncey were performed by the odor of a thousand American Beauties. C. F. Christenson did the job.

The new firm of Mepste & Asmus have rented the greenhouses of Philip La Tour out on East Genee street.

I am glad to be able to say that Daniel B. Long is gradually getting back into shape again, and we believe in a few months no trace of his trouble will be left.

The writer, in company with D. B. Long, J. H. Rebstock and L. A. Anderson, attended the Philadelphia chrysanthemum show, and incidentally joined in a shoot on the banks of the Delaware River. You have all heard about the show, which was fine and greatly enhanced by the beautiful works of art with which the walls were covered. One of the most striking features of the exhibition was the magnificent display of orchids from our worthy president Edwin Lonsdale. Such a quantity of orchids is rarely seen. The visitors received the heartiest kind of welcome from the hospitable men of Philadelphia both at the banquet, show and shoot. I can still see those long rows of American Beauty at Chestnut Hill, and a small bench of Mrs. Pierpont Morgan rose at Mr. Lonsdale's was a revelation. If that's the kind of rose it is we all want it. We saw roses in Darby Road and in the meadow close by Mr. Anderson's home, we noticed the pulverized remains of thousands of Peoria blackbirds. No wonder George can shoot. We saw rubbers and pandanus growing under plate glass, and presided over by a deacon, of what denomination I did not enquire. We saw all that could be possibly crowded into two days. You have published already the scores of the shooting contest, but it deserved more room in your columns. It was the most enjoyable affair of the kind we ever attended. Mr. B. Dorrance and Mr. G. Fancourt shot on the Buffalo side, but with their good help we were doomed to defeat, but the match between the two cities was but a small part of the day's sport. The handicaps were the fun, and some great shooting was done. The man who won a prize had to shoot, as the scores show. A fine leather gun case and a Japanese smoking set was lugged home to Buffalo. Mr. Dorrance swaggered round the city that evening with a beautiful cane. The other prizes stopped in Philadelphia. The whole

affair was most excellently managed. No favor was shown to anyone. John Burton is an ideal boss of a shooting match, ably assisted by the other members of the club. More than one man went home with the gun fever. George of Wilks-Barre who arrived there very much a novice in shooting developed into a crack before sundown, and in one contest actually hit 13 birds in succession. Now it's "what kind of a gun must I buy?" We were graced by a large attendance of ladies, who eagerly watched the prowess of their favorites. We missed at the shoot such men as Robt. Craig, Kift and Lonsdale, the two former were too busy and the day previous to the shoot being election day and the vote in Pennsylvania being so close the very best men in the community were chosen to count the ballots, so to our loss Mr. Lonsdale was one of them. He was counting ballots while we were firing small bullets. Once more it was a great day, and I hope to see many of them. Thank you, gentlemen; you always do things up in the best of style. W. S.

#### Trenton, N. J.

Jos. Ribsam gave a chrysanthemum show at his store during the early part of November. Mr. Moore, who bought for Mr. Hilborn last year, is now in business for himself at the same stand, Mr. Hilborn having retired.

BURLINGTON, VT.—John Wilson's exhibition of chrysanthemums and other flowers and plants at City Hall on Nov. 7, 8 and 9 was a magnificent success. The arrangement of the displays was most artistic. Music was furnished every evening by the Howard Opera House orchestra and there were many visitors.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—By competent florist, age 33, single, 15 years' experience; has a fair knowledge of bookkeeping. Address G. C. AM. FLORIST.

**SITUATION WANTED**—As gardener. Life experience in growing plants and flowers of all kinds. Good references. H. GREENE, 122 Wells St., Chicago.

**SITUATION WANTED**—By experienced florist, competent of taking charge of store. Best of references. 15 years' experience. B., care Am. Florist.

**SITUATION WANTED**—To take charge by a single man; first-class grower of roses, carnations, mums, decorative plants, etc. Good floral worker. Good references. Address FLORIST, 1623 Chestnut St., St. Louis Mo.

**SITUATION WANTED**—As foreman or manager on private or commercial place, by a thoroughly practical grower of roses, carnations, violets, decorative and bedding plants. Address A. M., 35 Cortlandt St., New York.

**SITUATION WANTED**—By well experience florist and gardener; German; forcing roses, etc., bedding stuff, decorative plants, landscape gardening. Chicago preferred. Best references given. Address VON HONEYER, care American Florist.

**SITUATION WANTED**—By a thoroughly practical man as foreman. Can show the very best of work in growing of roses, violets, carnations, mums, ferns; 14 years' experience in this country and England; married, no children. A. R., care Am. Florist.

**SITUATION WANTED**—As foreman by first-class man, on large commercial place; thoroughly competent in every branch; life experience in Europe and this country; single, age 31; total abstainer. Apply with particulars to J. W. L., care American Florist.

**SITUATION WANTED**—By a competent florist and gardener, on large private place; can show first-class work in growing decorative and bedding plants, vegetables under glass, taking care of prime fruit and ornamental trees and shrubbery; 20 years' experience in this country, England, Germany and France; married. Address T. J., care American Florist.

**SITUATION WANTED**—By florist and gardener; 28, English, total abstainer; thorough, practical grower of orchids, roses, violets, carnations, chrysanthemums, ferns, and other choice plants; both house grapes, peaches, forcing vegetables, etc. Expert florist and decorator. First-class fruit, flower and vegetable gardener. Disengaged through place being sold. Excellent written and personal references. EDWARD FIRKINS, Waldwick, N. J.

**WANTED**—Florist and gardener. Must be thoroughly reliable, and competent in both branches. Name wages. THE OXFORD RETREAT CO., Oxford, O.

**WANTED**—Immediately, first-class grower to take charge of commercial place. Must be up in roses, carnations, chrysanthemums, palms and ferns. CUREY & CO., 800 Church St., Nashville, Tenn.

**FOR SALE**—Fortune for live florist with small capital. Write me and I will prove it. Address NEW YORK, care Am. Florist, Chicago.

**FOR SALE**—Two greenhouses, connected, each 18x50, potting shed and sleeping room; stocked with carnations, violets, chrysanthemums, lilies and a general assortment. Hot water. Southern Wisconsin city of 7000. No competition. Other business N. Y. Z., care American Florist, Chicago.

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insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE PREMIUM LIST of the flower show to be held November 25 to 30, at the Madison Square Garden, under the management of the New York Florists' Club, was recently received by us. Prizes are offered for chrysanthemum plants and flowers, roses, carnations, and decorative plants, and it is expected that many special prizes will also be given. For information address J. I. Donlan, manager, care of John Young, 51 W. 28th street, New York City.

## Toronto.

The weather during last week was dull and comparatively mild, just the right thing for chrysanthemum show, and there is every indication that it will keep about the same at least for the first part of this week, if it does we shall probably see the best show here we have ever had. Last year we had twenty degrees of frost on the Monday and Tuesday of show week, which besides damaging many fine plants, prevented many from being brought out at all. However by the time this is published we shall know the worst or let us hope, the best. At present we are in a state of "delirious anticipation."

One of the big department stores has again gone into the florist business, and there is a rumor as yet unconfirmed that it has bought out a large north end grower bag and baggage.

Chrysanthemums of fine quality continue to pour in large quantities and appear to find a ready sale at prices a little lower than last week. Business generally may be summed up as pretty good. E.

NEW BEDFORD, MASS.—The chrysanthemum show of the Gardeners' and Florists' Club was brought to a close on Friday evening by a concert and ball at Adelphi Rink. The hall was beautifully decorated with plants and flowers, and the occasion was much enjoyed by the local florists and their families.

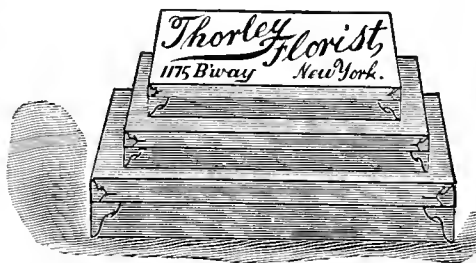
EAST ORANGE, N. J.—Geo. Purdue gave an elegant exhibition at his greenhouses from November 11 to 16. It was free to the public, who took full advantage of the opportunity, especially in the evening when the houses were brilliantly lighted with electric lights.

MT. PLEASANT, IA.—H. Colclough will hold a chrysanthemum show at his greenhouses about Nov. 20.

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4TH AND WALNUT STREETS,  
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**The Boston Flower Market**is prepared to purchase, on order, and  
ship Trade orders for Cut Flowers at  
prices ruling in the market on day of  
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Flower Market, Park St., BOSTON, MASS.  
Long Distance Telephone "Haymarket 638."**Cut Smilax**

15 CENTS PER STRING.

THE NATIONAL PLANT CO.

CASH.

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FLOWERS AT WHOLESALE.  
Strictly Commission Business.

SUPPLIES, ETC.  
LISTS FREE.

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1612 & 1614 BARKER STREET,  
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and most convenient ever put upon  
the market. They are made from  
board, manufactured especially for  
these goods, and made so as to resist  
moisture, thereby keeping the flow-  
ers fresh, and the box holding its  
shape.**THE NEW YORK  
CUT FLOWER CO.,**119 and 121 W. 23rd St., and  
112 and 114 W. 24th Street,

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**OPEN FOR BUSINESS.**

The Largest Dealers in

**CUT FLOWERS  
IN THE WORLD.**Handling flowers of all kinds in quantity  
we are in a position to fill shipping orders  
promptly. We shall give careful attention  
to this branch of the business, and solicit  
your patronage.

**J. A. MERRIFIELD & CO.**  
Wholesale and Commission  
**FLORISTS,**  
LAKE ST. AND WABASH AVE.,  
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**Asparagus Plumosus Nanus.**

Cut Strings, 8 to 10 feet long,

50 CENTS.

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WHOLESALE CUT FLOWERS,

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**G. Van Bochove & Bro.**  
Growers and Wholesale Dealers in

**CUT FLOWERS.**

Order Direct from Growers.

Send for price list. KALAMAZOO, MICH.

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

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**WHOLESALE FLORIST**  
 68 Lake Street, CHICAGO.  
**WHOLESALE CUT FLOWERS.**  
**SEEDS, BULBS AND ALL**  
**FLORISTS' SUPPLIES.**

**KENNICOTT BROS. CO.**  
**WHOLESALE CUT FLOWERS,**  
 and **FLORISTS' SUPPLIES.**  
 34 & 36 RANDOLPH STREET,  
 CHICAGO.

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**Wholesale Commission Florists**  
 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

We are now prepared to furnish Florists' Wire Designs and a full line of Florists' Supplies.  
**WRITE US FOR OUR ILLUSTRATED CATALOGUE.**

**Bassett & Washburn,**  
 Successors to J. B. DEAMUD & CO.  
**CROWERS and**  
**WHOLESALE**  
**DEALERS in CUT FLOWERS,**  
 34 & 36 Randolph Street,  
 Corner Wabash Ave. CHICAGO.  
**HEADQUARTERS FOR AMERICAN BEAUTIES.**

**A. L. RANDALL,**  
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 125 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers

**Reinberg Bros.**  
**WHOLESALE CUT FLOWERS,**  
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Our Roses best them all, in quality.  
**Headquarters for fine American Beauties.**

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*Wire Designs a Specialty.*  
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*Wholesale Growers of*  
**CUT FLOWERS,**  
 41 WABASH AVENUE,  
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We are prepared to fill your orders with first-class flowers. Give us a trial order.

**A. G. Prince & Co.**  
**WHOLESALE**  
**COMMISSION FLORISTS,**  
 41 Wabash Avenue,  
 Telephone Main 3208. CHICAGO.  
 Consignments solicited. Prompt attention to all orders.

# Wholesale Markets.

## Cut Flowers.

NEW YORK. Nov. 19.	
Roses, Bridesmaid, Bride, Cusin, Watteville	1.00@ 3.00
" Meteor, Testout, Kaiserlin	1.00@ 5.00
" Beauty, culls	1.50@ 5.00
extra grades	8.00@ 25.00
Carnations, ordinary	.35@ .50
fancy	.50@ 1.00
Valley	2.00@ 5.00
Chrysanthemums	1.00@ 3.00
fancy	5.00@ 12.00
Violets	.35@ 1.25
Adiantum	.75@ 1.00
Asparagus	35.00@ 50.00
BOSTON. Nov. 19.	
Roses, general list	.50@ 2.00
" Beauty	2.00@ 12.50
Carnations	.25@ 1.00
Valley	3.00@ 4.00
Chrysanthemums	2.00@ 10.00
Violets	.35@ .75
Adiantum	.75@ 1.00
Smilax	10.00@ 12.00
Asparagus	50.00
CHICAGO Nov. 22.	
Roses, Beauties long	15.00@ 25.00
" short medium	8.00@ 12.00
" large teas	2.00@ 3.00
select shipping stock	2.00@ 4.00
Carnations	.75@ 1.00
fancy	1.00@ 1.50
Valley	5.00
Violets	1.00@ 1.50
Harrisil	10.00
Smilax	12.00@ 15.00
Chrysanthemums select, per doz.	1.00@ 1.75
ST. LOUIS. Nov. 21.	
Roses, select stock	4.00@ 5.00
" ordinary	2.00@ 3.00
" Beauties long	10.00@ 25.00
" short	6.00@ 8.00
Carnations fancy	1.50@ 2.00
ordinary	1.00
Valley	4.00
Violets single	.25
" double	.50
Smilax	15.00@ 18.00
Asparagus	50.00
Chrysanthemums, southern	2.00
home grown	4.00@ 20.00
Adiantum	.75@ 1.00
Ferns, fancy	1.75
common	1.00
BUFFALO. Nov. 19.	
Roses, Beauties	12.00@ 20.00
" Meteors	5.00@ 6.00
" Bridesmaid, Mermets, Bride	4.00@ 6.00
" Cusin, Perle	3.00@ 4.00
Chrysanthemums	5.00@ 15.00
Carnations, fancy	1.25@ 1.50
common	1.00@ 1.25
" short	.75
Valley	4.00
Violets	1.00@ 1.25
Adiantum	1.25
Smilax	12.00@ 15.00
Asparagus	50.00

**GEORGE A. SUTHERLAND,**  
 Successor to PECK & SUTHERLAND,  
 Successors to WM. J. STEWART,  
**Cut Flowers and Florists' Supplies**  
**WHOLESALE.**  
 67 Bromfield St., BOSTON, MASS.  
 New England Agent for the GREAT ANTIPEST.

**WHOLESALE**  
**FLORISTS**  
**JOEBERS IN**  
**FLORISTS'**  
**SUPPLIES,**  
**FLORISTS'**  
**VASES.**  
 METS,  
 BRIDES,  
 GONTIERS,  
 CARNATIONS,  
 ALWAYS ON HAND.  
 84 Hawley Street,  
 BOSTON, MASS.  
 HORTICULTURAL AUCTIONEERS.

**WELCH BROS.,**  
**Wholesale Florists,**  
 NO. 2 BEACON STREET,  
 NEAR Tremont St. BOSTON, MASS.

When writing to any of the advertisers on this page please mention the American Florist.

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 49 WEST 28th STREET,  
**NEW YORK.**

**SPECIAL EXTRA STOCK OF**  
**AM. BEAUTY, METEOR,**  
**BRIDESMAID, BRIDE.**

**DISBUDDED CARNATIONS.**  
**FANCY GRADE.**

**CATTLEYA LABIATA,** splendid blooms.

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**FLORIST.**  
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Roses Shipped to all points. Price list on application

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**WHOLESALE • FLORIST.**

Careful Shipping to all parts of the country.  
 Price list on application.

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**WHOLESALE,**  
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 A first-class opening for a few good consignors.

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**FLORIST**  
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 53 West 30th St., NEW YORK CITY.

## The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.  
S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-  
bers St., New York, Sec'y and Treas.

MR. C. C. MORSE is in Philadelphia.

MR. J. M. KIMBERLIN is in New York.

MR. S. F. LEONARD is in St. Louis and the southwest.

MR. ALBERT McCULLOUGH is on a hunting trip in the wilds of Arkansas.

NEBRASKA sweet corn growers report more damage from worms than first anticipated.

JAMES B. KIDD is at his old post in the establishment of the Sunset Seed and Plant Co., San Francisco.

VISITING CHICAGO: Chas. N. Page, R. H. Shumway, Guy Posson, Jno. T. Buckbee, L. L. Oids, Philip Breitmeyer.

## The Government Seed Shop Again.

Washington, D. C., Nov. 20.—[Special].—Secretary Morton is in for a raking over the coals as soon as the House gets down to business.

The trouble is all over the failure to distribute seeds.

Last year the Secretary of Agriculture protested vigorously against the practice of sending out free seed to farmers and market gardeners, claiming that the practice did not help the farmers, but cost the government large sums for the seeds as well as the transportation.

In spite of the Secretary's able arguments he was turned down by the last Congress, and the usual gift enterprise was duly provided for in the appropriation bill.

Secretary Morton proceeded to take matters into his own hands.

He procured an opinion from Attorney General Olney to the effect that the distribution of seeds should be confined to those which were new to the country or which would benefit by being transplanted from State to State.

With this opinion in his pigeon hole, the Secretary of Agriculture proceeded to concoct a clever advertisement requiring bids to be in accordance with these specifications.

The seedsmen did not understand the scheme, and sent in bids for the same old seeds.

This was just what Secretary Morton wanted. He promptly rejected all the bids, and since then he has not found time to advertise for more.

The seed division was abolished forthwith, and its rooms were immediately given over to the division of entomology, ornithology, and mammalogy, three departments supposed to confer inestimable advantages on the horny-fisted followers of the plow.

Secretary Morton was triumphant for the time, but Representative Baker of New Hampshire, who is the leading Republican on the Committee on Agriculture, swears he will have the Secretary impeached, the divisions of the ologies thrown out, and the seed distribution started once more.

Representative Baker has gotten hold of a former letter in which the Secretary complained that the distribution hurt the business of the regular seedsmen, of whom he was formerly one.

This letter will be used as the basis of a charge that Secretary Morton has betrayed the farmers of the country at the instance of a trust of monopolistic seed-sellers.—Chicago Tribune, Nov. 21.

## Reduction in Rates.

OFFICE OF THE  
OFFICIAL CLASSIFICATION COMMITTEE,  
143 Liberty St., New York,  
Nov. 4, 1895.

MR. J. A. EVERITT, Seedsmen, Indianapolis, Ind.:

DEAR SIR:—Your application for reduction in the rating of seed wheat, rye, oats, corn and barley, under the official classification was considered at a recent meeting of the official classification committee, and a recommendation to change the present classification of the property was adopted, which if approved by the railroad companies in interest will become effective in official classification No. 15, about January 1, 1896.

Yours truly,  
C. E. GILL, Chairman.

## SPECIAL OFFER. SURPLUS BULBS.

SINGLE TULIPS—Cottage Maid, \$1.25 per 100; Duc Van Thol, red and yellow, 35c; rose, 80c; yellow, \$1.25; Jagt Van Delft, 50c; Joost Van Vondel, 75c; La Reine, 40c; Prince of Austria, \$1.70; Proserpine, \$1.70; Rosa Mundi, \$1.00. DOUBLE TULIPS—Imperator Rubrorum, \$1.10; La Candeur, 45c; Rose Blanche, 65c; Yellow Rose, 40c; Gesneriana, 40c; Darwin, 70c. NARCISSUS—Poeticus 30c; Poeticus plenus 40c; Paper White Grand, 70c; Incomp. Plenus 50c; Single Jonquils 40c; Campenelle Jonquils 40c. Freesia refr. alba extra selected 40c. Allium Neapolitanum 40c. Anemone Single Mixed 35c; Anemone Double Mixed 60c. Chionodoxa 40c. Feathered Hyacinths 60c. Ixia Cratogeomys 85c. Ornithogalum Arabicum 95c. Ranunculus 30c. Single Snowdrop 45c. Sparaxis 60c. Chinese Sacred Lily \$5.00. Lilium Longiflorum 5 to 7 \$2.50; 7 to 9 \$3.75. Oxalis Lutea \$1.00; Oxalis Rosea \$1.00. Spiraea Japonica \$3.75. Rose Roman Hyacinths \$1.50. White Italian Hyacinths \$1.50. Von Sion Narcissus, fine bulbs, \$10.00 per 1000.

The above are all sound and in first-class condition, and are offered subject to being unsold.

JOHN GARDINER & CO., Seedsmen, 631 Market St., Philadelphia, Pa.  
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Guessing

The quality of the goods speak for themselves. Compare our figures on the following:

MUSHROOM SPAWN, ELLIOTT'S MILLTRACK.

A fresh importation. Mail 10 cts. in stamps, for sample. lb. 10c; 100 lbs. \$8.00

CALLA LILIES, 1¼ to 1½, fine roots.....per 100 \$5.00

LILY OF VALLEY, 3 year old pips, ready for delivery.....per 1000 9.00

TOBACCO STEMS.....100 lb. bale 1.25

BAMBOO CANES, fresh from the brakes .....per 1000 7.00

SPIRAEA JAPONICA, fine for forcing; ready for delivery.....per 100 3.50

WM. ELLIOTT & SONS, 54 & 56 Dey Street, NEW YORK.

Mention American Florist

HEADQUARTERS FOR  
Tuberose and Caladium Esculentum.

1,500 EXCELSIOR PEARL TUBEROSES, 3 to 4 inches in circumference,  
Delivered on Cars at New York, \$4.50. Orders now booked for Nov.  
and Dec. delivery. Also for the larger sizes, Excelsior, Tall Double, etc.

Caladium Esculentum { 3 to 4 inches in diameter.....\$5.00 per 100  
                                  { 4 to 5 " " ..... 7.00 per 100  
                                  { 5 to 6 " " ..... 9.00 per 100

C. H. JOOSTEN, 36 Dey St., New York.

Wisconsin Flower Exchange,  
CUT FLOWERS, PALMS, FERNS,

Wild Smilax, Evergreen, Cut Ferns, Pines and Holly.

We are prepared to make you very satisfactory terms on the above, which are now ready; also on

SHEEP MANURE, MOSS, WILLOW PLATEAUS  
AND BAMBOO EASELS.

P. O. Box 87.

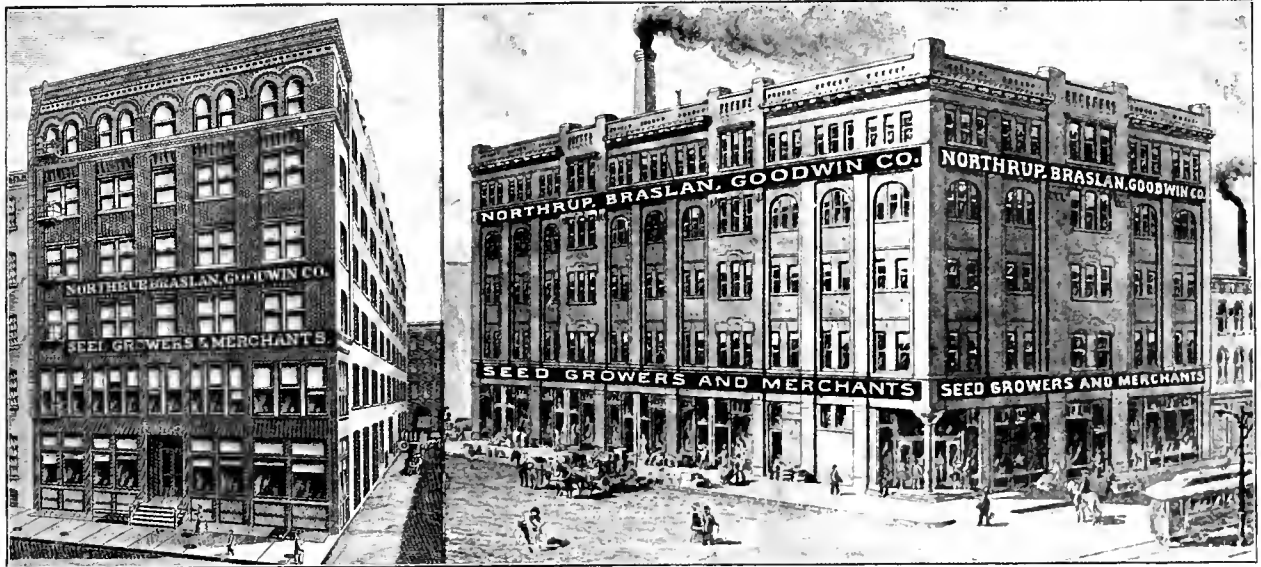
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## THE BROWN BAG-FILLING MACHINE

Puts up seed in packets, takes all sizes of bags, gauges all quantities of seed from an ounce to a grain, seals up the bag, and runs three thousand per hour. Illustrated Circular on application.

THE BROWN BAG-FILLING MACHINE CO., Fitchburg, Mass.

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## NORTHROP, BRASLAN, GOODWIN CO.

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Being **GROWERS** we are in a position to supply **Seeds of first-class quality** and to make **specially low prices**.

A trial will convince those who have not yet found this out.

## NORTHROP, BRASLAN, GOODWIN CO.,

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HENNEPIN AVENUE, Minneapolis, Minn.

55, 57 & 59  
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### Chinese Sacred Lilies.

Sample basket containing 30 First  
Size Bulbs, \$1.65.

**DUTCH HYACINTHS, NARCISSUS,  
TULIPS, CROCUS, ETC.**

**SPHACNUM MOSS**, clean, per bbl. \$1.00

**TOBACCO DUST**, per bbl. (about 125 lbs.) 2.00

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Write for pamphlet about

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**HERRMANN'S SEED STORE,**  
413 E. 34th St., near Long  
Island Ferry, NEW YORK.

### CINERARIAS.

We are the largest growers in the  
country. Our strain of this beautiful  
plant is unsurpassed. 2 1/4-in., \$2.50  
per hundred.

**WHITTON & SONS**, 90 Roberts St., Utica, N. Y.

### WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus

AND

**LILIUM HARRISII.**

Special low prices on application.

**WEEBER & DON,**

Seed Merchants and Growers,

114 Chambers St., NEW YORK CITY.

### Roman Hyacinths and Lilies.

FIRST COMES, FIRST SERVED.

ROMANS, white, 11-12 cent.	Per 1000
ITALIAN, bluish white, 13-17 cent., immense	\$16.50
L. LONGIFLORUM, guaranteed, 5-7	19.00
" " 7-9	20.00
" " 7-9	45.00

NET CASH WITH ORDER.

Large stock of DUTCH HYACINTHS on hand.  
Reasonable prices.

**HULSEBOSCH BROS.**, Englewood, N. J.  
Mention American Florist.

WE ARE HEADQUARTERS ON  
**BULBS FOR FORCING,  
FLOWER SEEDS FOR FLORISTS  
ENGLISH MUSHROOM SPAWN.**

Special prices on application.

**JOHN GARDINER & CO.**, Seedsmen,  
631 Market St., Philadelphia, Pa.

### BULBS.

**HYACINTHS, TULIPS, CRO-  
CUS, NARCISSUS,**

AND A GENERAL LINE. FINE STOCK.  
WRITE FOR PRICES.

**THE NATIONAL PLANT CO.**, Dayton, O.  
Mention American Florist.

**TELEGRAPH CODE**  
OF THE  
**AM. SEED TRADE ASSOCIATION**

\$2.00,

In either stiff or flexible cover.

ADDRESS ORDERS TO

**AMERICAN FLORIST CO.**,

P. O. Drawer 164. CHICAGO.



### TRY DREER'S GARDEN SEEDS.

Plants, Bulbs & Requisites.  
They are the best at the  
lowest prices. Trade List is-  
sued quarterly, mailed free  
to the trade only.

**HENRY A. DREER,**  
Philadelphia, Pa.

### Plant Auction.

SALES EVERY TUESDAY AND FRIDAY  
THROUGHOUT THE SEASON.

**A. & F. RÖLKER**, Auctioneers.  
106 Liberty Street, NEW YORK.

**W. A. MANDA,**  
MERCHANT, GROWER, IMPORTER & EXPORTER OF

**FLORISTS'**  
Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.

The Universal  
Horticultural Establishment, SOUTH ORANGE, N. J.

### LILIUM HARRISII.

Original and largest growers of this important bulb.

OUR SPECIALTY.

True Stock. Lowest Prices. Best Quality.

**F. R. PIERSON CO.**,  
TARRYTOWN-ON-HUDSON, NEW YORK.

### Pandanus Veitchii

WE HAVE SOME EXTRA FINE PLANTS  
TO OFFER AS FOLLOWS:

5-inch pots.....	\$1.00 each
6-inch pots.....	2.00 each
7-inch pots.....	3.00 each

**F. DORNER & SON,**

CASH WITH ORDER. La Fayette, Ind.

When you write an  
advertiser please state  
that you saw the adv.  
in the FLORIST.



## Pittsburg.

Through the courtesy of Mr. Bennett, superintendent, the Florists' Club held their regular meeting on Tuesday night, 12th inst., at the Phipps' Conservatories in Schenley Park. The attendance was fair and the proceedings interesting. The subject of chrysanthemum rust was discussed, Messrs. Bennett, Oesterle, Bader, Ebner, Reineman, Randolph and Negley participating. The opinion prevailed that it was caused by, or is, an insect, and those who have used sulphur tobacco soap reported that it removed the rust, although it left the foliage marked. Mr. Negley will have some leaves examined by a very thorough microscopist and report the result at a future meeting.

The treasurer's report was very satisfactory. The dissatisfaction owing to having no permanent place of meeting, which has operated in lessening the attendance at meetings lately, will be done away with by December 1, as a very convenient room for the club will be obtainable by that time, and they confidently look forward to useful and interesting meetings. It was resolved to hold a social instead of a business meeting on Tuesday night, 26th inst., in the form of a bowling tournament at Davis' alleys on Diamond street, open to every member; it is anticipated that a number of prizes will be offered and a very enjoyable evening passed.

Mr. N. Patterson has with him again Mr. Walter Breitenstein, which is in itself a confirmation of the improvement in business, and which we all hope is come to stay.

Recent visitors were Mr. Bonsall, of Sharon, Pa.; Mr. Butz, of New Castle, Pa., and R. H. Warder, superintendent of Cincinnati parks. REGIA.

## Cincinnati.

The regular monthly meeting of the Florists' Society was held November 9 at their rooms in the Flower Market.

A big time is expected at our next meeting, which is to be held on December 14. An interesting address on carnations will then be given by Mr. Fred Dorner, who is the king of carnation growers, also J. G. Fine of Dayton, Ky., will read a paper on cannas, and Mr. R. Witterstaetter a paper on hybridization. Mr. E. G. Hill of Richmond will also be with us, and after the regular routine of business there will be a big spread for the boys.

The certificates recommended for new blooms by the committee of the Chrysanthemum Society November 9 were as follows:

From Fries & Snyder, Newport, Ky., white, parentage Minnie Wanamaker and Simpson, large, incurved, named E. G. Gillette; 87 points. From N. Smith & Son seedling Vellmar, creamy petals dashed with pink; 82 points. Lenawee, which was certificated the previous week, was sent for exhibition only. Theo. Bock exhibited pink variety Betty Bock, which received 85 points. P.

## Worcester, Mass.

The Horticultural Society held its annual meeting November 6, and elected the following officers: President, O. B. Hadwen; vice-presidents, Stephen Salisbury, George E. Francis and James Draper; secretary, Edward W. Lincoln; treasurer, Nathaniel Paine; librarian, Adin A. Hixon; judge on flowers, etc., A. H. Lange; fruits, etc., James Draper; vegetables, Charles Greenwood. A. H. L.

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

## ONE THOUSAND CAR LOTS OF OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf.  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR. 1000 ACRES. 29 GREENHOUSES.

## THE STORRS &amp; HARRISON CO., PAINESVILLE, OHIO.

## THE WHITE CANNA CAN NOW BE SEEN

In its full glory, notwithstanding the severe drought, at our Mr. Wintzer's farm at West Grove, Pa. Also the **NEW PURE ROSE, PURE PINK, PURE YELLOW**, and other remarkable Cannas that will be offered by us for the first time this season. The **White Myrosma** also in full bloom now. The **New Golden Cosmos**, The **Crimson Spiraea**, **THE BLUE SPIREAS**, **Tecoma Smithii**, **Solanum Rantonnetti**, and other Novelties in Plants. Headquarters also for The **Strawberry Raspberry**, The **Raspberry Blackberry**, The **Mayberry**, **Stanley Raspberry**.

**ROSES.** **Crimson Rambler**, \$5.00 to \$15.00 per 100. **Magna Charta**, 2 to 3 feet, \$6.00 per 100. **Tennessee Belle**, 4 to 5 feet, \$6.00 per 100. **Baltimore Belle**, 4 to 5 feet, \$7.00 per 100. **Meteor**, 1 to 2 feet, \$5.00 per 100. **CAROLINE TESTOUT**, finest plants in the country, \$10.00 per 100. Not less than 100 at these prices.

**Black Callas**, \$5.00 and \$8.00. **Spotted Callas**, \$3.00 and \$5.00. **Purple Callas**, \$30.00 per 100. **Little Cems**, \$5.00 per 100.

Send for Catalogue of Novelties in Plants. Jardinieres and Flower Pots for the trade.

A. BLANC & CO., 314 & 316 N. 11th Street, Philadelphia, Pa.

## ORCHIDS IN GREAT FAVOR FOR CUT FLOWERS.

During the past month the demand for Orchid cut flowers has been greater than the supply. We offer, until sold, good plants of leading sorts at \$50 per 100; and stronger plants, which we recommend to Florists, \$100 per 100.

PITCHER & MANDA, Short Hills, N. J.

GERANIUMS.  
ROOTED CUTTINGS.

Most approved bedding sorts, largely Semi-Double and Single scarlets. Double and Single white, pink, salmon and dark crimson in proportion.

Also a very choice collection of Fancy and Blooming kinds.

Price in assortment, \$12.00 per 1000 labelled.

\$10.00 per 1000, or \$1.50 per 100 not labelled.

Stock grown by Daniel K. Herr.

ALBERT M. HERR,  
LANCASTER, PA.

L. B. 496.

Mention American Florist.

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**  
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## FERN SPORES.

H. B. MAY offers the above in about 200 of the best and most useful varieties. All spores carefully saved from own stock, which is the largest in the trade.

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In 10 varieties, \$1.25 per 100 by mail. Orders booked now for Rooted **VERBENA CUTTINGS**, \$5.50 per 100, express prepaid.

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Green and Bronze

## GALAX LEAVES

(Selected only)

in ample time for the **HOLIDAYS.**

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We supply **WHOLESALE FLORISTS** everywhere.

Radish,  
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The best Seeds  
of all the best  
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RICHMOND, INDIANA.

**CLEMATIS**, large fl'g, best kinds, doz. per 100 \$3.00 \$22.50  
**PÆONIES**, fine Ass't, named..... 1 25 8.00  
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### Field Grown.

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All good strong healthy plants.

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After the early chrysanthemums are thrown out, many florists plant carnations. We have a few thousand good plants heeled in, in the cold house, suitable for this purpose.

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HINZE'S WHITE, MRS. CARNEGIE,  
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The best YELLOW CARNATIONS to grow for profit. ROOTED CUTTINGS now ready, @ \$5.00 per 100. Also 30 000 strong rooted cuttings of suitable kinds for summer bloom.

A few FIELD-GROWN plants in frames at a low rate to close out. Send for prices.

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## CARNATIONS.

## CARNATIONS A SPECIALTY.

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FROM careful personal inspection of all the new and old varieties in the famous pea growing districts in California, and from actual selling qualities shown in the San Francisco Flower Market—the largest in the world for this flower—we find the following seven kinds, for size, stems, prolific habits and other most desirable qualities unequalled. They comprise the leading salable clear colors which are always appreciated. Fill seven vases each with 100 sprays of these, and set them in a row in your window, and you need fear no competition in this flower.

BLUSHING BEAUTY, clear Daybreak pink.

HER MAJESTY, pure solid rose.

FIREFLY, bright fiery scarlet.

EMILY HENDERSON, best florists' white.

COUNTLESS OF RADNOR, soft lavender.

MRS. ECKFORD, largest good yellow.

BLANCHE FERRY, early pink and white.

### PRICES.

1 ounce each, 7 ounces, postpaid, 35 cts.

2 ounces each, 14 ounces, postpaid, 60 cts.

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YOUR CHOICE, prepaid, ounce 5 cts., 1-4 lb. 20 cts.; 1 lb. 50 cts.

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AMERICA, the new scarlet and white, pkt. 15 cts., 5 pkts. for 60 cts.



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FIELD GROWN CARNATIONS, fine plants, reasonable prices.

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A Highly Concentrated Plant Food.

Used by the leading growers all over the world. Unsurpassed for Roses, Chrysanthemums, and all horticultural purposes. Genuine only in sealed bags with makers trade mark. For sale in the U.S. by the undersigned in 112 lb. bags at \$6.00 per bag f.o.b. Phila. 12 1/2 lb sample #1. G. C. WATSON, 43 N. 10th St., Phila.

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Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 4 & 5-inch \$3.50. 20 for \$6; 6 1/2-in. for \$5. All good selected varieties. Special sale: Choice FERNS, \$5.00 and \$6.00.

ROSES AND GERANIUMS, LABELS, MOSS, ETC.

WILLIAMS & SONS CO., Batavia, Ill.

	Per 100
DRACAENA INDIVISA, 3 1/2, ready for 5 & 6.	\$5 00
CYPERUS ALTERNIFOLIUS, 2 1/2-inch.	2 50
ADIANTUM GRACILLIMUM, 2 1/2-inch.	2 50
PRIMULA JAPONICA, fine grade 2 1/2 inch.	2 50
HYDRANGEA OTAKSA and THOS. HOGG, 2 1/2-in.	3 00
BEGONIA METALLICA, 3 1/2-inch.	5 00
ROOTED CUTTINGS of all general stock.	1 00

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THE JENNINGS STRAIN OF FINEST AMERICAN CROWN PANSIES.

Small plants by mail 90c per 100; express \$5 per 1000. Seed of above strain \$1.00 per pkt. of 2500 seeds. Cash with order. E. B. JENNINGS, Pansy Grower, Lock Box 254, Southport, Conn.

AZALEAS, Sander, Bruges, Belgium.  
PALMS, Sander, Bruges, Belgium.  
ARAUCARIAS, Sander, Bruges, Belgium.  
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## SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

## Chicago.

The past week has not been a very busy one for the florists, nor has the quality of the stock been above reproach. Roses have been both soft and poorly colored, and they are very plentiful too; consequently a good many flowers go to waste. Brides and Bridesmaids are very plentiful. First class shipping stock is quoted at \$4; good average is \$2.50 to \$3, and it scales down to \$2. Meteors are in many instances very black. Beauties at \$2.50 to \$3 for good stock, and the demand remain steady. Carnations, select or fancy, are \$1.25 to \$1.50; good average stock \$1. Valley is up to \$5 again; very fine stock is seen. Violets vary from about 75 cents to \$1 for the poorer grades to \$1.25 and \$1.50 for best stock. A good many of the violets now coming in are very poor. Harrisii has appeared, but there is not a very great demand for it yet. It averages about \$1.25 a dozen. Chrysanthemums still sell pretty well, the best bringing \$1.50 to \$1.75 a dozen. At no time so far this season has there been a glut. Undenially they hurt the roses, but still complaints are not so great as in former years, and there appears to be an impression that more roses are coming in than at this time last year. Shipping orders for Thanksgiving week are very good, but no extreme advance in price is expected.

At the last meeting of the Florists' Club much routine business was transacted and five applicants for membership were elected. As the date for the next meeting falls on Thanksgiving day there will be no attempt to hold a meeting. At one of the December meetings Mr. W. A. Kennedy, of Lake Forest, will entertain the club with his phonograph. A most interesting and enjoyable evening is assured.

During the past two weeks chrysanthemum shows have been held in the greenhouses attached to the different city parks. An excellent display has been made, these shows being visited by thousands.

M. F. Gallagher has opened a store on Washington street between State and Dearborn. Jos. Craig has also opened a store on the same street, at the north-west corner of Dearborn.

The place at 3800 Grand Boulevard, formerly known as the Chicago Floral Company, has been reopened under the management of Mr. Fisher, with the firm name of the Grand Boulevard Floral Company.

Mr. S. Skidelsky, of Philadelphia, was a visitor this week.

## Asheville, N. C.

A beautiful display of chrysanthemums was held by the Idlewild Floral Co. during the second week in November. The plants were beautifully arranged in the show house, and included most of the notable new varieties. Mr. and Mrs. Deake gave a pleasant welcome to a host of visitors, and the occasion was greatly enjoyed.

THE PROPOSITION THAT flower growers destroy surplus stock instead of disposing of it to peddlers leads the *New London Globe* to observe that such a suggestion "tends to foster the belief in a personal devil." It inquires, "In heaven's name, what does anybody want to keep up the price of flowers for?"

HARTFORD, CONN.—W. E. Wallace, formerly of Farmington, has bought land here and will establish his nursery in this place.

New Extra  
DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20 varieties, for only \$2 by mail.

CASH WITH ORDER.

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## CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery from March 1st. Cultivated Cycas always on hand, rooted and well established, at low prices.

Lil. Auratum, Spec. Rubrum and Album, Etc.  
Iris Kämpferi, in 100 choice varieties.  
Japanese Maples, in best varieties.  
Camellias, Pæonies, Tree Ferns, Rhapis, Etc.  
Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

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To as speedily as possible overcome the embarrassment which necessitated an assignment I offer for immediate sale at a great sacrifice the entire stock of the well known HIGHLANDS NURSERY, comprising millions of well grown Native Trees, Shrubs, Bulbs, Vines and Herbaceous Perennials in all sizes. All reasonable offers will be entertained. I am prepared to quote under the above conditions on stock for large and small plantings (for immediate or spring shipment), specially inviting correspondence from Nurserymen and Park and Cemetery officials.

AS ALL ORDERS WILL BE BOOKED AND FILLED STRICTLY IN ROTATION as received, early attention is requested that selected stock can be reserved; furthermore, the above conditions of sale will hold only till sufficient orders are hooked to authorize a return to usual prices.

Such an opportunity to select from what is conceded to be the FINEST STOCK OF HARDY NATIVE AMERICAN PLANTS in this country will hardly be presented again and prompt correspondence is urged for mutual interests. Address: THOMAS E. PARKER, Highlands Nursery, Kewanee, N. C.

Assignee for Harlan P. Kelsey.

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THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

SANDER, & Bruges, Belgium.  
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A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106 and 108 Liberty Street, New York City  
Send for illustrated catalogue.

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500,000 Bulbs of our Noted Strain for Sale.

PALMS, AZALEAS, FICUS, ARAUCARIAS, SWEET BAYS, DUTCH BULBS, LILYUMS, ETC.

The Best is Always the Cheapest. Write for Prices.

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BELGIUM,  
And 36 Catharine St., Liverpool, England.

A1 Quality, Small Profits, Perfect Packing, Prompt Attention, Low Freight.

## Pansies Worth Raising.

STRONG PLANTS, ready now, \$2.50 per 500; \$4.00 per 1000. Discount on large orders. Free on board express here.

Also SEED as usual. Cash with order. Full value in return.

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CINNAMON VINE BULBULETS, \$1.00 per 1000. ROOTS, \$5.00 per 1000. I have a surplus and can and will furnish them for LESS than they can be procured elsewhere. Write at once and tell me how many you want. Address

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## Order Now.



## Metal Floral Designs.

For the Holiday Trade.

Full particulars quoted on pages 25 and following of our New Fall Trade List for 1895, or leave the assortment to us, stating money you wish to invest, and indicating your wants. Our Collections for Ten, Fifteen, Twenty, Thirty Dollars, and more cannot be surpassed.

We call your attention to our

## New Weatherproof Wreaths

of green foliage and specially prepared flowers quoted and described on page 3 of our list. They are cheaper than Metals and look more natural.

## Xmas Holly,

The best, well-berried Delaware stock, specially gathered and put up for our trade. Single cases, \$5.00 net; larger quantities, \$4.50 net per case.

## Vermont Bouquet Green

In A1 quality, we offer in original-weight bags of about 40 lbs. at rate \$8.00 net the 100 pounds.

## Special Xmas Collections of



## Flower Baskets,

Plain and fancy, in many new and tasteful styles. Composed of the best and latest designs in Celluloid, Raffia and Cane, tinted tate, braid and other finishes.

Collection A for Fifteen Dollars.

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For further detail, compare our latest trade list, containing likewise a full line of all

## Florists' Supplies

useful for store and greenhouse work. If you have not received a copy, send for one with your business card. We sell at wholesale only. Address

## August Rölker &amp; Sons

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# PALM SEEDS

VERY IMPORTANT: WE REPLACE ALL PALM SEEDS NON-CERMINATING.

K. FORSTERIANA.	100 1000	\$1.25 \$7.50
PHOENIX CANARIENSIS.		.50 3.00
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Palm of South America.	1.25	10 00
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" INDIVISA.	.25	1 50
" BAUERI.	.50	4 50
ARAUCARIA IMBRICATA just arrived in splendid condition.	2.00	15 00

Chas. Schwake, 404 E. 34th St., New York.

## Chrysanthemums.

Prize Winners at the Boston Show, 1895.

FOURTEEN VARIETIES, STRONG PLANTS  
20 Cents each, the Set \$2.00.

CASH WITH ORDER. POSTPAID.

Philadelphia.	Miss Gladys Spaulding.
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Twelve Prize Anemone, Flowered - \$1.25 Postpaid  
Stock plants of fifty leading varieties, 20 cents each, express.

J. W. HOWARD,

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Mention American Florist.

## Complete Catalogue

OF

Fruit Tree Stocks, Ornamental Trees,  
Shrubs, Evergreens, Roses, Etc.

Grown by

P. SEBIRE & SONS,

USSY, (Calvados), FRANCE,

will be mailed on application to their sole  
Agents,

C. C. ABEL & CO.,

P. O. Box 920. NEW YORK.  
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300 Acres in Nursery. 1 Acre of Glass.

## Specialties for Florists.

Cardenas, bushy, 15 to 18 inches.	Per 100	\$2.00
Crevillea, 12, 18 and 24 inches.	\$6.00, \$8.00 & 15.00	
Eugenia Jambos, 12-15 inches.		12.00
Camphor, 12-18 & 36-40 inches.		\$8.00 & 25.00
Guava Red Cattley, 1-20 inches.		12.00
Magnolia Fuscata, 8, 15 & 20 in.	\$12, \$15 & 25.00	
Olea Fragrans, 6, 10 & 20-15 in.	\$8, \$12 & 20.00	
Oranges & Lemons, grafted on dwarf stock, blooming size, stocky, 10-12 & 15-18 in.	\$25 & 40.00	
Otaheite Orange, bushy, 10 & 12-15 in.	\$8 & 15.00	

Stock of above all post-grown, ready now to ship, and in best possible condition.

FIELD-CROWN ROSES, including 100,000 M. Niel, budded; Fruit and Ornamental Trees, Bare Conifers, etc. Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS,

Fruitland Nurseries, AUGUSTA, GA.

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Stock plants from bench of the following kinds:  
Ivory, Domination, Cloriosum, Wheeler, E. C. Hill.

Later-Rooted Cuttings of CARNATIONS, Daybreak, Wm. Scott, McGowan, Porla and Helen Keller from as good a stand of carnations as there is in the state.

ALMY BROTHERS, Box 61, Providence, R. I.

## STOCK PLANTS OF CHRYSANthemUMS.

### The Big 4.

MRS. HENRY ROBINSON, the finest white up to date. 40c each, the set of 4 for \$1.50.  
MRS. MURDOCK, Dorner's fine new pink of '95.  
HENRY REIMAN, grand new yellow of '95.  
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WHITE, Minnie Wanamaker, The Queen, Mrs. J. George IIs, Niveus, Ivory, Enfant des deux Mondes.

YELLOW, H. L. Sunderbruch, Golden Wedding, C. Lippincott, Maj. Bonaffon, Kioto, Eugene Dailedouze, Challenge, W. H. Lincoln, L. C. Madeira, H. E. Widener, Libbie Allen.

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# ....PHILADELPHIA

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## CHRYSANthemUMS.

Stock plants, strong clumps, PHILADELPHIA, 50 cents each.

Miss M. M. Johnson, Nemesis, J. H. Troy, J. E. Lager, Mrs. Henry Robinson, Mrs. J. B. Parker, Jr., Sunrise, and all other Novelties of the season, 25 cents each.

Yellow Queen, Lady Playfair, Mayflower, Bergmann, G. Bramhall, Minerva, H. Sunderbruch, and all good Standard varieties, 25c each.

Cash with order.

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## EARLIEST LARGE FLOWERING CHRYSANthemUMS

MARQUIS DE MONTMORT,

Much in the way of Vivian-Morel. Ready to cut Sept. 29th, 1895. Stock plants 50 cts. each; \$5.00 per dozen.

MERRY MONARCH,

Earliest large white, cut on October 9th. Best early white to date. Price, 50 cts. each; \$5.00 per dozen.

NEMESIS, MISS M. M. JOHNSON, J. H. TROY, PARKER, Jr., 50 cents each; \$5.00 per dozen. MARION HENDERSON, MAJOR BONNAFFON, MADAME F. BERGMANN, YELLOW QUEEN, and all the staple varieties, 25 cents each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

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## MUMS.

\$5.00 per hundred;  
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WHILLDIN,  
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DOMINATION,

KATE BROWN,  
IVORY,  
LADY PLAYFAIR,

10 of a kind at hundred rates.

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Per doz. Per 100  
MME. F. BERGMANN.....\$2.50 \$15.00  
MARION HENDERSON.....3.50 25.00  
Now Ready.

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## CHRYSANthemUMS.

50 New Varieties, including

Miss M. M. Johnson, J. E. Lager, Philadelphia Minerva, Marie Louise, J. H. Troy, Mrs. Henry Robinson, Sunrise, Miss G. Fletcher, John Shrimpton, Royal Windsor, Mrs. S. T. Murdock, H. W. Reiman, Miss F. Pullman and Zuhada. Fifteen plants for \$1. Send for catalogue. Address

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Mention American Florist.

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All the best new and old varieties.

Send for List to

EDWIN LONSDALE,

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## CHRYSANthemUMS.

LARGE STOCK PLANTS.

IVORY, WANAMAKER, MRS. JEROME JONES 5c each; 50c per dozen.

KATE BROWN, MRS. WHILLDIN, LINCOLN, MAJOR BONNAFFON, E. DAILEDDOUZE, MAUD DEAN, GOOD GRACIOUS, 8c each; 75c per dozen. Cash.

E. FRYER, R. R. Ave. cor. Hill St., Brooklyn, N. Y.



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Newport, R. I., J. J. Wysong, two large houses.

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Westerly, R. I., John E. Cole, one carnation house.

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Amesbury, Mass., Jos. Freeman, one house 32x40.

Everett, Mass., W. Toll, one commercial house 20x100.

Pawtucket, R. I., John Hogan, range of commercial houses.

Keene, N. H., Ellis Bros., one carnation house 20x100 and one violet house.

Moodus, Conn., H. P. Chapman, one house.

Brooklyn, N. Y., Chas. Tru'h, E. New York avenue, one house 18x70.

Torresdale, Phila., Pa., Col. Edw. Morrell, one house 12x68.

Little Falls, N. Y., Walter Bonfield, two commercial houses 20x120 and 20x60.

Green's Farms, Conn., E. J. Taylor, one commercial house.

Spencer, Mass., J. W. Bigelow, one commercial house, 20x100.

Greenfield, Mass., E. B. Beals, one commercial house 25x120.

Peabody, Mass., Estate of J. M. Ward, one carnation house.

Oaondaga Valley, N. Y., G. Williams, one commercial house; Harper Bros., one commercial house.

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All strong, field-grown stock.

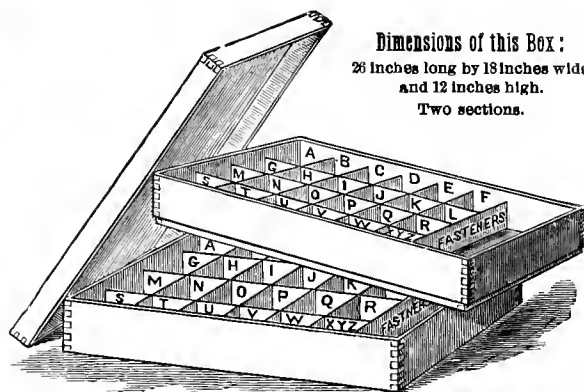
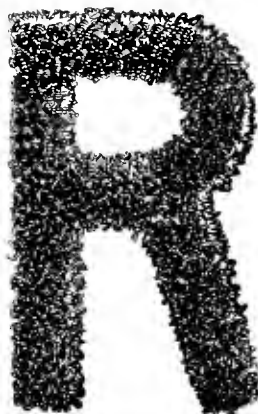
Ask for Prices.

L. C. BOBBINK,

RUTHERFORD, N. J.

When writing mention the American Florist.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



Dimensions of this Box :  
28 inches long by 18 inches wide  
and 12 inches high.  
Two sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

## BOSTON FLORIST LETTER CO.

Manufacture the Best Letters in the Market.

Sizes 1½-in. and 2-in. 2.00 per 100. Patent fastener with each letter.

OUR NEW SCRIPT LETTER, \$4.00 per 100.

N. P. MCCARTHY, 13 GREEN ST.,  
Treas. & Mangr. Boston, Mass.  
Office, 84 Hawley Street.

We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers Boston.

AGENTS.  
A. Rolker & Sons, New York.  
M. Rice & Co., 25 N. 4th St., Phila., Pa.  
F. E. McAllister, 22 Dey St., New York.  
A. D. Perry & Co., 33 Warren St., Syracuse, New York.  
A. Herrman, 415 E. 34th St., New York.  
L. J. Kerchover, 112 W. 27th St., New York.  
H. Bayersdorfer & Co., Philadelphia, Pa.  
A. C. Kendal, 115 Ontario St., Cleveland, O.  
J. A. Summers, Toronto, Ont., Agent for Canada.  
E. H. Hunt, 79 Lake St., Chicago, Ill.  
Wisconsin Flower Exchange, 131 Mason St., Milwaukee, Wis.  
H. Sunderbruch, 4th and Walnut Sts., Cincinnati, O.  
T. W. Wood & Sons, 6th and Marshall Sts., Richmond, Va.  
Jas. Vick's Sons, Rochester, N. Y.  
C. A. Kuehn, 1122 Pine St., St. Louis, Mo.  
D. B. Long, Buffalo, New York.  
Huntington Seed Co., Indianapolis, Ind.  
Portland Seed Co., 171 2d St., Portland, Ore.  
Geo. A. Sutherland, 67 Bromfield St., Boston.  
Welch Bros., No. 1A Beacon St., Boston.  
N. F. McCarthy & Co., 84 Hawley Street, Boston.  
The Henry Philipps Seed and Implement Co., Toledo, O.  
Walter A. Potter & Co., Providence, R. I.  
J. C. Vaughan, 26 Barclay St., New York.  
W. Ellison, 1402 Pine St., St. Louis, Mo.



BOUQUET GREEN. For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.  
SPHAGNUM MOSS a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

L. B. BRAGUE, Hinsdale, Mass.

ESTABLISHED

FLORISTS

WIRE

DESIGNS

1866.

MANUFACTURED BY

N. STEFFENS

335 EAST 21<sup>ST</sup> ST.

NEW YORK.

Jones, McDuffee & Stratton,  
Plant Pots  
and Pedestals

of all grades, sizes and values, direct from the best Potteries of England, France, Germany, China Japan and the U. S.

WHOLESALE AND RETAIL.

120 Franklin St. cor. Federal, Boston, Mass.  
Mention American Florist.

H. BAYERSDORFER & CO.,  
WHOLESALE  
FLORISTS' SUPPLIES ONLY,  
58 N. 4th Street,  
PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

BRILLIANT GREEN AND BRONZE  
GALAX LEAVES.

Both colors now in fine condition.

WHOLESALE FLORISTS GENERALLY,  
or write for prices and free samples to

CHAS. H. RICKSECKER,  
LINVILLE, Mitchell Co., N. C.

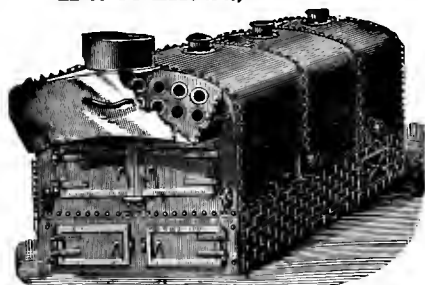
M. RICE & CO.,  
Florists' Supplies,

23 & 25 N. 4th St., PHILADELPHIA, PA.

Send for Catalogue.  
Mention American Florist.

## Kroeschell Bros. Co. IMPROVED Greenhouse : Boiler,

41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information. Mention American Florist.

THE KINNEY PUMP.



THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island. Only 29 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill.

"The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

Mention American Florist

## DEATH TO INSECTS

### Rose Leaf

EXTRACT OF TOBACCO.

PRICE REDUCED

5 Gallons for \$5

Louisville Spirit Cured Tobacco Co.,  
LOUISVILLE, KY.

## Horticultural Manure

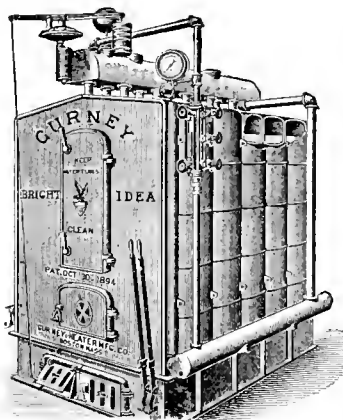
contains more plant-food in *one hundred pounds* than is contained in *one ton* of any natural manure.

### Liquid Manure

made from it is cleaner, cheaper and better than from any other source.

In 10, 25, 50 and 100 lb. packages for florists' use. Write for trade prices and pamphlet.

ROBT. L. MERWIN & CO., 88 Wall St., N. Y.  
Mention American Florist.



Gurney "Bright Idea" Water Tube Boiler.  
(For Steam.)

## Gurney Hot Water Heaters AND Steam Boilers.

UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

ALWAYS EQUAL TO THE OCCASION.

Send for Greenhouse Catalogues.

GURNEY HEATER MAN'FG CO.,

163 Franklin Street (Cor. Congress),

BOSTON, MASS.



## Pat. Plant Tubs.

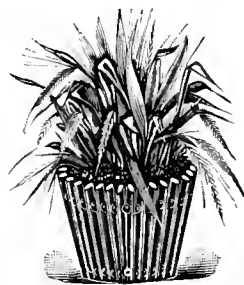
NEW IMPROVED

### ORCHID CRIBS.

A full line of

Florists Baskets  
AND SPECIALTIES.

Write for Illustrated Catalogues.



HOME RATTAN CO., 483 Wells St., Chicago.

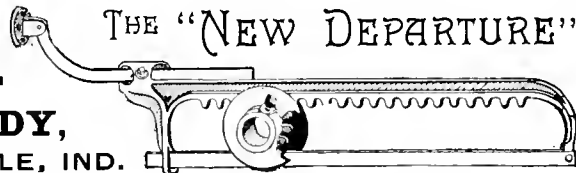
SEE WHAT PEOPLE SAY ABOUT . . . . .

or MEAT SAW

Ventilating Appliance.

THE "NEW DEPARTURE"

J. D. CARMODY,  
EVANSVILLE, IND.



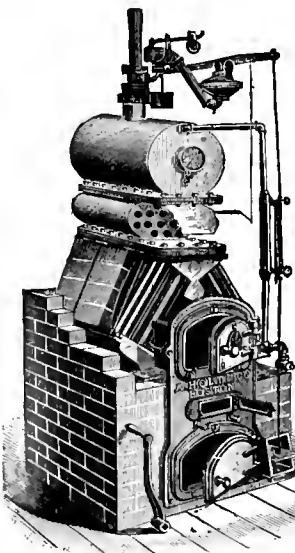
DEAR SIR:—The apparatus is up and works fine. I am well pleased with it. Enclosed find check.  
Yours truly,  
W. V. DURYEE, Mattituck, N. Y.

## HOT BED SASH.

VENTILATING SASH. ALL SIZES TO ORDER.

FINN, COLE & CO., 8 HOWARD ST., N. Y. CITY.

We carry a large stock of regular size, 3x6 ft. It will pay you to send for our prices



ONLY CAST IRON TUBULAR BOILER MADE  
FOR WATER HEATING.  
SEND FOR CATALOGUE.  
HOLT HEATING CO. 90 Union St., BOSTON, MASS.

## CATALOGUE PRINTING. ELECTROTYPING.

Done with expert ability for Florists,  
Nurserymen, Seedsmen. Write to

J. Horace McFarland Co.

HARRISBURG, PA

### LEMON OIL INSECTICIDE,

Used now by the leading Florists.

75c. per quart; \$1.25 per 1/2 gallon; \$2.00 per gallon; \$9.00 for 5 gallons.

HENRY F. MICHELL,  
SEEDSMAN,

1018 Market St., PHILADELPHIA.

## New Directory.

A corrected edition of our Trade  
Directory and Reference Book  
will be issued Jan. 1, next.

AMERICAN FLORIST CO.

P. O. Drawer 164. . . . . CHICAGO.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

## News Notes.

FRAMINGHAM, MASS.—The Framingham Nursery Co. has made an assignment.

ALLENTOWN, PA.—A new florist store was opened on Nov. 6 by G. A. Ellsworth & Co., at 10 and 12 N. Sixth street.

SHELBYVILLE, KY.—E. P. Hall is building a new house and office, 20x110, to be devoted to cut flowers and vegetable plants.

POTTSVILLE, PA.—The office and a large portion of the greenhouses at the Park nursery of Madison & Bro. were destroyed by fire on Nov. 10.

NORRISTOWN, PA.—John De War, foreman for Mrs. Chas. Wheeler of Bryn Mawr, died suddenly from heart failure on the evening of Nov. 11.

PADUCAH, KY.—C. L. Brunson & Co. gave a very successful chrysanthemum show November 12 to 16. It was highly praised by the local press.

WEST LIBERTY, IOWA.—The chrysanthemum show was very successful. The exhibits were from the greenhouses of John Beimford, of Wilton Junction.

SABETHA, KAS.—W. C. Machamer has just finished a new greenhouse, his former house being ruined by hail early in the fall. This was the first hail in this section for ten years. Business is fairly good, and calling for a better class of plants. 'Mums are rather late this year.

PEORIA, ILL.—J. C. Murray recently arranged a very beautiful wedding decoration at Lacon, pink being the predominating color. White chrysanthemums and pink roses were largely used. The special car in which the bridal party left was decorated lavishly with American Beauty roses. Mr. Murray's arrangement was greatly admired.

HOOPESTON, ILL.—The greenhouses of the Hoopston Floral Co. were destroyed by fire the morning of November 10, the fire originating in the boiler room. The stock is a total loss; not a plant on the place escaped, those not burned being destroyed by gas and smoke. The loss will amount to about \$5,000 with no insurance. The company will rebuild at once and try it again.

COLUMBIA CITY, IND.—Kelsey & Butchart have the finest chrysanthemums for cut flowers and pot plants ever raised here; their miscellaneous stock is also good. They have recently added a new house for roses and smilax, making four, all heated by hot water. They have one house given exclusively to carnations and it is filled with best varieties, all in good condition. They report trade fair, with prospects encouraging, and contemplate building a new and larger house in the spring.

## FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

J. G. SWAHN'S SONS, P. O. Box 78,  
Minneapolis, Minn.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

## NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

## AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

## Standard Flower Pots.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

A FULL LINE OF BULB PANS.

## The Whilldin Pottery Company,

BRANCH WAREHOUSES:

713 to 719 Wharton Street, PHILADELPHIA, PA.

Randolph Ave. and Union St., Jersey City, N. J.

Jackson Ave. and Pearson St., Long Island City, N. Y.

## STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., N. Cambridge, Mass.

## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

SYRACUSE POTTERY CO. OFFICE:  
403 North Salina Street, SYRACUSE, N. Y.

STANDARD FLOWER POTS.  
FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address

PITTSBURGH CLAY MFG. CO., New Brighton, Pa.

## WATER

For Your  
GREEN HOUSE,  
ROSE HOUSE,  
NURSERY,

Conservatory, Lawn,  
House, Garden, Stock  
or any other purpose.

Send for Illustrated Catalogue

OF THE

DE LAMATER-RIDER AND

DE LAMATER-ERICSSON

PUMPING

ENGINE.

Their operation is so simple and

safe that a child can run them. They

will pump water from shallow

streams or any kind of well. They

can be arranged for any kind of fuel.

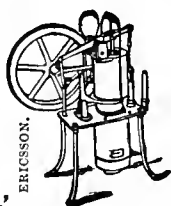
Capacity 1,500 to 30,000 gallons

of water a day, according to size.

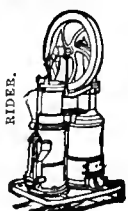
The De Lamater Iron Works,

467 West Broadway,

NEW YORK, N. Y.



HOT-AIR  
PUMPING  
ENGINE.



## J. N. STRUCK &amp; BRO.

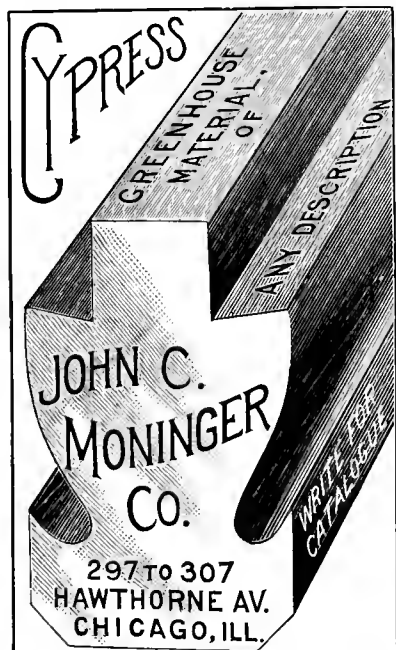
Manufacturers of

## • CYPRESS •

## Greenhouse Material,

LOUISVILLE, KY.





**CYPRESS**  
GREENHOUSE MATERIAL OF ANY DESCRIPTION  
**JOHN C. MONINGER CO.**  
297 to 307 HAWTHORNE AV. CHICAGO, ILL.  
WRITE FOR CATALOGUE

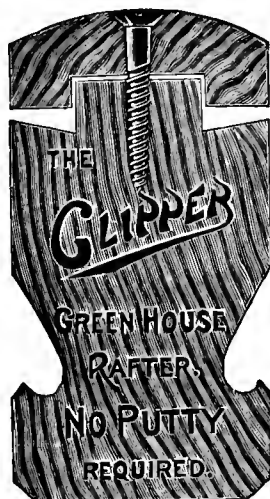


**WILKS HOT WATER HEATER.**  
BEST IN USE  
FOR GREENHOUSES, LARGE and SMALL.  
All Steel. No Coils or Cast Iron Sections.  
SEND FOR CATALOGUES.  
**WILKS MFG. CO.,** 123 S. CLINTON STREET, CHICAGO, ILL.  
Mention Gardening.

**CYPRESS**  
IS MUCH MORE DURABLE THAN PINE.  
**CYPRESS SASH BARS**  
UP TO 32 FEET IN LENGTH OR LONGER.  
**GREENHOUSE**  
AND OTHER BUILDING MATERIAL.  
Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."  
Send for our Special Greenhouse Circular.  
**THE A. T. STEARNS LUMBER CO.,**  
Neponset, BOSTON, MASS.  
Mention American Florist.

**John Conley & Son,**  
Manufacturers of  
**TIN FOIL**  
2 AND 4 DOMINICK STREET,  
New York.

**GLASS.** ROCK BOTTOM PRICES. Send for Estimate. Satisfaction guaranteed.  
**REED GLASS CO.,**  
102 South 5th Avenue, NEW YORK CITY.



## Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

**LOCKLAND LUMBER CO.**

LOCKLAND, O.

## H. M. HOOKER COMPANY,

57 and 59 W. Randolph Street, CHICAGO.

## NATURAL GAS MADE GLASS, FOR GREENHOUSES.

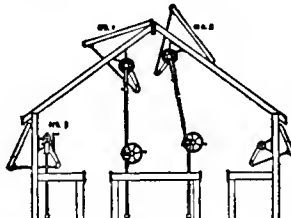
Write for latest prices.~~~~~

### VICTORY! VICTORY! VICTORY!

The only Certificate of Merit awarded for ventilating apparatus at the St. Louis Convention was to the

**POPULAR STANDARD VENTILATING MACHINE**

The florist's friend in working and prices.



No repairs for 5 years. no chains to break as is the result with others.

Opens Sash uniform on 100 foot houses. A new device.

Send for Catalogue and Estimates.

**E. HIPPARD, Youngstown, Ohio.**

## THOS. W. WEATHERED'S SONS, INCORPORATED.

### Horticultural Architects and Hot Water Engineers

Send for Catalogue, enclosing 4 cents in stamps.

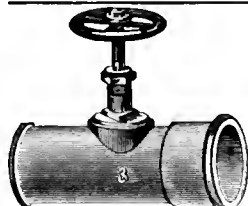
139, 141, 143 Center St., NEW YORK.



## California Red Cedar NEVER DECAYS.

**A. DIETSCH & CO.,** 619 Sheffield Avenue,

Mfr's of Red Cedar and Cypress Greenhouse Material, CHICAGO.



**VALVES, FITTINGS AND VENTILATING APPARATUS.**

**COLDWELL-WILCOX CO.,**  
Newburgh, N. Y.

**MAIL**

LOCK THE DOOR BEFORE THE HORSE IS STOLEN  
DO IT NOW.

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.



**EVANS' IMPROVED Challenge Ventilating Apparatus**

Write for Illustrated Catalogue.  
**QUAKER CITY MACHINE WORKS,**  
Richmond, Ind.

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WESTMINSTER, MD.—Mr. Jos. R. Brooks, ex-mayor of this city, has erected three new houses 20x65, heated by hot water, and will engage in a general retail florists' trade; he also expects to make shipments to Baltimore during the coming season. J. G. Doyle has rebuilt two houses; he has excellent violets at this date. He is arranging to put up new houses in the spring. Several large dry goods stores at their fall opening gave chrysanthemum shows in connection, as an advertising feature. They proved a large success, over 4,000 people visiting them, and the firms are well pleased with the new feature, expecting to make it an annual success.

BOSTON.—Mr. Tida of Tida & Suzuki, Yokohama, has been in Boston with a view of extending the trade in Japanese plants and bulbs. John Fottler, Jr. has gone on a shooting excursion to Connecticut.

CRESO, IOWA.—W. B. Perry has erected one new house, 27x72 f. et. He now has about 3000 feet of glass.

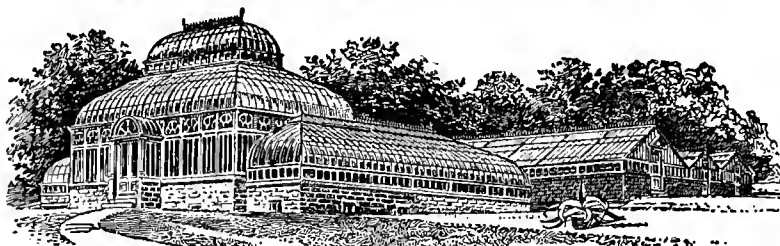
## CHILD'S RAIN MAKER



HAS COME TO STAY.  
SENT ON APPROVAL. PRICE \$1.00.  
M. M. JONES, Gen'l Agent,  
6122 Oglesby Avenue, CHICAGO.

## Hitchings &amp; Co.

ESTABLISHED 50 YEARS.

HORTICULTURAL ARCHITECTS AND BUILDERS  
AND LARGEST MANUFACTURERS OF  
GREENHOUSE HEATING AND VENTILATING APPARATUS.

THE HIGHEST AWARDS RECEIVED AT THE WORLD'S FAIR FOR HORTICULTURAL ARCHITECTURE, GREENHOUSE CONSTRUCTION AND HEATING APPARATUS.

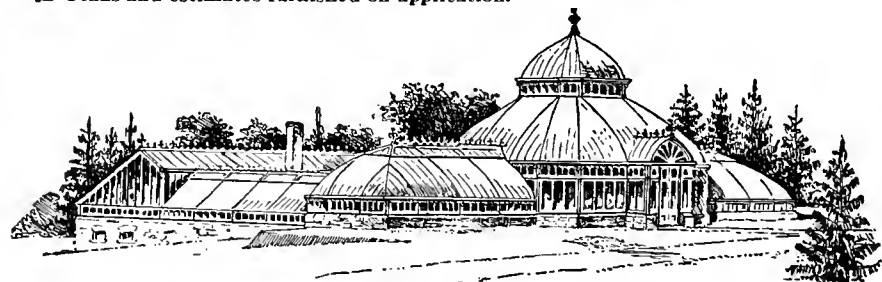
Conservatories, Greenhouses, Palm Houses, etc., erected complete, with our patent Iron Frame Construction. Send four cents postage for illustrated catalogues.

233 Mercer Street, NEW YORK.

LORD & BURNHAM CO.,  
Horticultural Architects and Builders,

STEAM AND HOT WATER ENGINEERS.

Plans and estimates furnished on application.



Largest builders of Greenhouse Structures. Six highest Awards at World's Fair.  
SEND FOUR CENTS POSTAGE FOR ILLUSTRATED CATALOGUE.

LORD & BURNHAM CO., Architectural Office, 160 Fifth Ave., New York City.  
COR. TWENTY-FIRST ST.,  
FACTORY: IRVINGTON-ON-HUDSON, N. Y.



Purity of Air.  
Economy of Fuel.  
Evenness of  
Temperature.

Easy to Operate. Each Section an Independent Boiler. Few  
Joints. Can't Leak. Burns all kinds of Fuel.

WRITE FOR  
CATALOGUE. American Boiler Company

NEW YORK: 94 Center St. "We Heat the World" CHICAGO: 84 Lake St.

## Hot Bed and Ventilating Sashes

On Hand and Made to Order.

ALL SASHES FOR GREENHOUSES.

THEODORE P. JENKINS, 247 Canal Street, NEW YORK.

Mention American Florist

Always mention the American Florist when writing to advertisers.

When writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XI.

CHICAGO AND NEW YORK, NOVEMBER 30, 1895.

No. 391

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,  
P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

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EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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PAWTUCKET, R. I.—The business of the late J. Hogan will be continued by his two sons under the old title.



## THE EXHIBITIONS.

Toronto.

The sixth annual chrysanthemum show held by the Gardeners' and Florists' Association has, to quote a society critic in one of the big dailies, "far outdone any previous efforts, not only as regards the flowers themselves, but also in the general appearance and arrangement of the hall." As regards receipts, they are about the same as last year. Tuesday night it was raining in torrents, and very few people ventured out, but on Thursday afternoon and evening (Thanksgiving Day) about 3,000 people paid in their little quarter. The prize list was a little larger this year, but the expenses will be little lower, so that putting all things together it is hoped that there may be a decent balance to the good when the full statement is made out. The association is happy in the possession of a treasurer (Mr. W. Hill) who is a thorough business man, and who keeps a firm grip on the funds—very necessary qualifications at show time. The work of the secretary (Mr. E. H. Carter) also was carried through in a business-like manner and without a hitch or complaint. Capt. McMaster was as usual busy booming next year's show among the upper ten, and greater things may be expected from his untiring efforts. The association owes a great deal of its success to this gentleman, more than many are cognizant of.

Specimen plants did not cut much of a figure this year, only three or four exhibitors entering in the different sections. The best were shown by Mr. R. Marshall, gardener to Sir C. Gzowski, and Mr. Palmer, florist. The single stem sections, however, brought out keen competition, and made one of the fine features of the show. Exhibition Park, Horticultural Gardens, John Cotterill, Mrs. Palmer, A. Gilchrist and Sir C. Gzowski carried off the principal prizes. There were four groups of chrysanthemums 15x6 feet with other foliage arranged for effect; they were all very pretty, and there was considerable difference of opinion on the decision of the judges thereon. Exhibition Park was given first, John Cotterill second, Horticultural Gardens third, with a fine group containing an elegant specimen of *Pænix*

*rupicola*; Manton Bros. fourth with a most effective group, but as the judges said with not quite enough chrysanthemums to enable them to call it a group of that flower. The 9-foot circular groups of foliage round the pillars were also very effective, and well placed in the general lay-out, and contained some specimens of the best greenhouse plants. The prizes went to the same exhibitors, and in the same order as in the last named section.

There were four decorated mantels, and here again there was great difference of opinion, though in my own opinion I think the judge was right. Manton Bros. took first, Grainger Bros. second and John Cotterill third. Would it not be a good idea for the association to have half a dozen mantels made up all of the same pattern? They could be made cheaply and stained.

Now I come to the class which attracted the most attention and which certainly showed a considerable improvement over last year, the chrysanthemum cut bloom. One could easily fill this issue of the *FLORIST* with descriptions of their beauties, but as that is impossible the next best thing is to give the names of some of the best of them. As foretold in these notes Mr. Dale of Brampton exhibited the finest blooms in the show, and carried off most of the honors in the class. In 25 distinct varieties he took first with a superb lot, among the best of which were Mrs. J. H. Starin, Mme. Carnot, Mutual Friend, Iora, C. H. McCormack, Portia, John Shrimpton, Helen Bloodgood (What a name!), Chas. Davis, Maud Dean, Mrs. G. H. McGee. J. H. Dunlop was second with a splendid lot too, and Exhibition Park third. In 12 distinct varieties Dale was first again, R. Mearns second, J. H. Dunlop third. In bunches of 12 in one vase Dale took first in white, Minnie Wanamaker; 12 pink, Harry Balsley, magnificent blooms; 12 any other color, Chas. Davis, immense; and Frank Burfitt was first with 12 yellow, Golden Wedding. In the bunches of 6 in one vase Exhibition Park was first in yellows with Golden Wedding, Dale first in whites with Mrs. J. H. Starin (the largest white variety in the show), also in pinks with Harry Balsley. J. H. Dunlop took first for 6 any other color with Harry May.

For new varieties introduced in 1895 Dale took first with Philadelphia, Helen Bloodgood, Nyanza, an immense dark one; Mrs. P. Palmer, Chipeta. Mr. G. Hollis showed three blooms of a new seedling he has named Bessie Hollis, a cross between H. May and Lincoln; it is a dark yellow large flower, broad petals, open incurved of short, stiff and strong growth; it was given a certificate of merit and the cup for the best seedling, which it well deserved. Nathan Smith & Son sent three seedlings, Lenawee, white, Chito and E. A. Kimball, yellow. In vases of 20 blooms any varieties Dale was first,

Spears & Muston second, Exhibition Park third. In vases of 20 blooms one variety Dale was first with the finest lot of President Smith ever seen, R. Mearns second with Golden Wedding, Dunlop third with some fine Queens.

Carnations were shown in full force and Wm. Scott appeared to be the favorite, Daybreak second. A fine lot of Edna Craig was shown too. Dunlop took first for white, red and fancy, also for fifty blooms one variety with Scott, a grand bunch; Dale was first for twenty-five pink. The fifty blooms in one vase any variety, with any green, made a very pretty exhibit. Manton Bros. were first, Chas. Tidy second; arrangement counted in judging these bunches.

The roses were beautiful beyond description, and as usual were the chief attraction for the ladies. In the prizes for ten blooms of a sort Dunlop took firsts for Mermet, Sunset, Cusin, Beauty, Meteor and Belle Siebrecht. Dale took firsts for Perle, Bride, Bridesmaid and Hoste. J. Gammage & Son took first for Woottons. For the vase of 50 blooms, arrangement to count, there were six entries. Dunlop was away ahead with a grand bunch, mostly Beauties; Dale second, Tidy third. Violets were extra superfine all round. Dale took first for 50 singles with the California, the first time it has been exhibited here; it was much admired. There were lots of exhibitors in the double class, and some of the best ever exhibited here were staged; J. H. Dunlop first, Dale second, Manton Bros. third.

In the "miscellaneous plants" class the palms in 10, 8 and 6-inch pots were all a nice, clean, healthy lot, some a little more so than others; of course they were distributed about the hall near and among the masses of bloom. Small ferns in 3-inch pots were good, but did not show up in quantity enough to make much effect. Large specimen ferns, principally from Exhibition Park, Horticultural Gardens and Sir C. Gzowski's, showed up well on the stage, especially at night. Of orchids there was the best show ever seen in Toronto and it goes without saying that they were an attractive and interesting exhibit. *Cattleya labiata autumnale* was there in quantity and fine form. Exhibition Park, John Cotterill, J. H. Dunlop, Horticultural Gardens and Manton Bros. were the principal exhibitors.

Last but not least came the floral designs, etc., and here is where Charlie Tidy got in his work this year, taking first prizes for flat cross, crescent wreath, standing anchor, one of the best pieces of work of the kind possible; and a presentation basket of chrysanthemums. J. H. Dunlop was first for a presentation basket, any flowers, with a perfect gem, composed of *Cattleya labiata*, cypripediums and *Adiantum Farleyense*. Grainger Bros. were first for flat basket of chrysanthemums. Other exhibitors taking prizes for work little behind the above were F. Burfitt, H. Dale, J. Cotterill, G. Mills.

The judges were Mr. Geo. Vair of this city on plants, Mr. F. G. Foster of Hamilton on cut chrysanthemums, and Mr. Bennett of Montreal on roses, carnations and floral designs. Mr. Foster kindly assisted Mr. Vair and Mr. Vair kindly assisted Mr. Foster; Mr. Bennett did the business "all by his lones." There was some grumbling concerning the decisions on groups, mantels and carnations, and two protests were entered, but the decisions remained unchanged.

American visitors were conspicuous by their absence this year. Why was this thus? The number of Canadian visitors

from the country was much larger than formerly; among them were noticed Messrs. J. Gammage of London, Townsend and Foster of Hamilton, Graves and son, Smith & Bennett of Montreal; Rose and Harris of Woodstock, Foord and Cobb of Peterboro.

Mr. R. Witterstaetter of Sedamsville, O., sent a fine box of carnations, Tidal Wave, Rose Queen and a seedling, Miss E. Wocker, after the fashion of Edna Craig, with which it was compared. Mr. Bennett, however, did not consider it an improvement on that variety.

Mr. Geo. Smith of Manchester, Vt., also sent a box of carnations Daybreak, Puritan, Scott, Tidal Wave and some seedlings.

Mr. Hollis' seedling chrysanthemum Bessie Hollis attracted much attention and was the object of much favorable comment from florists; it should prove a good late market sort.

Thanksgiving Day is an indispensable day unless the association can get a good sized government grant.

Friday, the fourth day, pays for the band the other three days.

Decorations of southern smilax, palms and pine tops are the decoration for a chrysanthemum show. Charlie Tidy did the job, and did it to the admiration of all who saw it.

As your Indianapolis correspondent remarks, "the management of a chrysanthemum show is no snap."

Good flowers well arranged and good music make a perfect blend.

The weather was fine and mild for getting plants in, but wet, cold and icy for taking them away.

Now we have made sure of the upper ten, let us try for the under ten thousand.  
E.

#### London.

The National Chrysanthemum Society's show, which was opened November 5, was certainly one of the grandest shows ever held, the entries being unusually numerous, and exhibits of high quality taking them as a whole, though perhaps as is usually the case, some classes were a little behind what might have been expected.

Specimen plants of the large flowering sorts were not quite up to the usual standard, but there were some of the finest specimens of pompon varieties that I have ever seen. Standards were also good. Taking "groups" Mr. H. J. Jones of Lewisham carried off the first prize with one of the grandest groups ever staged, the flowers being of high quality, foliage good, and the arrangement very effective, being well backed up, and intermingled with palms, crotons, and other foliage plants. The same exhibitor also carried off first prize for a table arranged with cut 'mums, cut foliage, and foliage plants. For the back ground trumpet vases, some 8 or 10 feet high were used, these were lightly arranged with fine blooms and draped with long festoons of asparagus, fern fronds, (among which some splendid fronds of *Goniophlebium suhauculatum*) and other foliage. The cut blooms in the foreground were of the highest order.

Some very good things were also seen among the vases and stands for table decoration, Mr. Chard, of Stoke Newington, showing some novelties in this way, though for some reason they did not obtain first favors with the judges.

All classes of cut blooms were well shown, the Japanese varieties being of enormous size and well finished. Later on, I hope to be able to give you a list of

the best varieties of the various classes, but shall not be able to include it with this note.

The new American variety "Philadelphia" was not quite to the mark, not being so well finished as those sent over last year. Some of the blooms shown were broader but none so deep in proportion. It may probably be seen in better for later on, as many of the blooms shown were far from being fully developed in the centers.

The above show is held at the Aquarium, Westminster, and during the evening the building was so crammed that it was with the greatest difficulty that any one could get a good look round. It seems a great pity that a more suitable building could not be found for such an important exhibition.  
A. HEMSLEY.

#### Cleveland.

The "Grand Chrysanthemum Show and Floral Exhibition" is over. All things considered, it was a great success. It was not expected that with only about four weeks' preparation it would be possible to rival the achievements of other cities that have been doing that sort of thing for the last ten or more years, and so, not having expected too much, we find the result eminently satisfactory from every standpoint. We have not acquired the wealth of the Vanderbilts, but we are somewhat ahead of the game, with a fund of practical experience that will be of great value for future exhibitions. Everything has gone through without friction, with no after-crop of jealousy and distrust to cloud the prospect; in fact we are all right.

One of the most surprising features was the liberal response that outside florists made, Nathan Smith & Son, Beckert Bros. of Pittsburg, Fred Dorner & Son, Oil City Rose Houses, T. H. DeWitt of Wooster and a great many others all showing very fine stock and making extensive displays. In the matter of quality there could of course be no competition with local growers, the rules barring Cleveland men altogether from comparison in any way.

In chrysanthemums Nathan Smith & Son were very much in evidence, showing magnificent stock of the standard sorts, as well as some new ones that will surely be heard from. The Golden Wedding and Harry Balsley that they showed were the finest ever seen here.

Beckert Bros. sent up a fine lot of chrysanthemums, among which Helen Bloodgood appeared to excellent advantage. Among the flowers that depart from the lighter shades there was no pink to approach it for form and desirability of coloring. About Cleveland there seems to be no one able to do much with it for some reason. They also showed Philadelphia that were ahead of any other white on exhibition. Gaspard Rozain, another pink, and their yellows, were also excellently done. They also showed an exceedingly good collection of carnations, among which McGowan, Keller, Alaska, Sweetbrier and Magnet were notable.

Bassett & Washburn exhibited a lot of very fine Beauties. They were much the best of any shown.

Fred Dorner & Son showed both carnations and chrysanthemums. Mrs. C. H. Duhme, a very large, light pink of exquisite fragrance and form, attracted the most notice among the carnation exhibits. Their chrysanthemum exhibit, while not so large as some, was uniformly good and was most favorably commented upon.



VIEW OF THE SHOW AT POUGHKEEPSIE, N. Y.

G. P. Rawson of Elmira exhibited a lot of his celebrated circus chrysanthemums, Blue Jay and Miss Olive Green, "late of Chicago." Staged in a prominent place right under the noses of the entering populace, they attracted all sorts of amusing comments from the uninitiated. I am afraid that some local men will make Ananias' personal acquaintance for the whoppers that were told some jays, not blue.

T. H. DeWitt of Wooster showed a good collection of carnations. His Eldorado, Peachblow and Keller among standard sorts were particularly fine. Northern Light, a new one, seems to be a fine thing. He also exhibited twenty-five seedlings, some of which were very attractive. Reinberg Bros. showed a very good line of roses, including Testout, Kaiserin, Perle, Bride and Bridesmaid. Oakwood Rose Co. of Oil City exhibited fine cut roses. In addition to these Hagenberger and C. Merkel of Mentor, and R. Hoffmann of Hillsdale, Mich., as well as many others, showed larger or smaller lots of very good chrysanthemums. Hall & Son of Sandusky and George Hancock of Grand Haven, Mich., showed some good seedling carnations.

While not much has been said about the local growers' exhibits, it must not therefore be inferred that they were not in it. On the contrary, plenty of stock of all sorts was shown that was fully up to the standard in every particular. But as it was all used to bring about the best general result without regard to individual ownership, and as all did the best that they could for the general welfare, it would be manifestly unfair to go into details.

The mantel decorations were sufficiently spoken of last week. The four tables were good, three of them particularly so. One was decorated in yellow, Eugene Dailedouze chrysanthemums being the flowers used. Another had a decoration consisting entirely of Meteor roses, which, lighted with appropriate colors, produced a very rich effect. This

table was changed daily, Vivian-Morel chrysanthemums being used another day, and Gontier roses still another day. One table was given up entirely to white and green effects. On this Bride roses, orchids and adiantum were used. The fourth one was decorated with chrysanthemums of various shades.

The Cleveland roses shown were of very good quality and liberal in quantity. Carnations of standard variety were likewise excellent and in plentiful supply. Cleveland chrysanthemums were of course shown to a very great extent. A.

#### Atlanta, Ga.

The chrysanthemum show here was very successful, and the display was pronounced by visiting florists the best ever seen in the south. The displays of chrysanthemums, roses and carnations were particularly excellent, but the most striking feature was the chrysanthemum blooms of extra fine quality and in great variety.

The large hall was filled in each corner with palms, ferns and decorative plants. Between each of these displays were banked chrysanthemums in pots. In the center of the main hall was an elegant display of orchids and cyclamens; this space was also used for table decorations. The cut flower hall, 30 feet wide by 100 feet long, was arranged with displays down each side and down the center with cut flowers only; and another hall was used for the floral arrangements and floral designs.

J. E. Wackendorf of Atlanta, Ga., received the gold medal for the best display of palms, ferns and decorative plants, and the Brookwood Floral Co. of Atlanta received the silver medal. J. E. Jackson of Gainesville, Ga., received the gold medal for the best display of single bloom, single stem plants in pots; Nanz & Neuner of Louisville, Ky., second award. Nanz & Neuner also received the medal for the best 25 specimen plants in pots.

The Westview Floral Co., Atlanta, received first premiums, gold medals, in chrysanthemum classes 8, 9, 10, 11, 12, 13, 14, 16, 17, 18; and for roses they won first premiums in classes 22, 26, 30 and 31; in floral arrangements, 34 and 35. The Brookwood Floral Co., Atlanta, won second premiums in classes 9, 12, 19, 30, 34, and in class A, and first premiums in classes 15, 24, 25, 28, 32, 34 and 37. Nathan Smith & Son, Adrian, Mich., received second award, \$10 in gold, for best 25 cut blooms, white, and first-class certificate for the best six blooms, white seedling chrysanthemum. Nanz & Neuner, Louisville, received second premium for best 50 single stem chrysanthemums in pots, \$10 in gold; silver medal for the best general collection of cut chrysanthemums, gold medal for chrysanthemums in pots. H. W. Buckbee, Rockford, Ill., \$10 in gold, second award, best 25 blooms any other color. Fred Dorner, La Fayette, Ind., second award, \$5 in gold, for second best 12 blooms, any other color. Honaker of Lexington, Ky., received second premium in roses in classes 24, 26, 28 and 31. H. Weber & Son, Oakland, Md., were awarded the gold medal for an elegant display of new carnations, also received certificate of merit on carnations Alaska, Peachblow, Magnet and Meteor, and first award for the best vase of 25 Kaiserin Augusta Victoria. The Dahl Floral Co., Atlanta, Ga., received silver medal for second best table decoration. H. L. Sunderbruch, Cincinnati, received the gold medal for the best 12 cyclamen plants. Mrs. J. W. Crouch, Chattanooga, Tenn., received special gold medal of floral design. Fred Haupt, Louisville, Ky., special gold medal for best funeral design.

Fred Dorner & Son of Lafayette, Ind., received the gold medal and first-class certificate of merit on their new carnation Mrs. G. O. M. Bradt. Dahl Floral Co. of Atlanta received the gold medal for floral design. B. F. Price and Miss Matie Walker of Booneville, Miss., received special mention for chrysanthemum blooms. Hugh Graham of Philadelphia received



special mention for his display of chrysanthemum Philadelphia. Pitcher & Manda of Short Hills, N. J., were ordered special notice on their elegant display of palms, ferns and decorative plants.

Eight additional gold medals were won by the Westview Floral Co., Atlanta. The Brookwood Floral Co., Atlanta, won two additional gold medals. E. G. Hill & Co.'s chrysanthemums attracted universal attention.

Manager Geo. M. Bradt was warmly commended by the local press upon the success of his efforts. M. P.

#### New York.

The event of the week has been the flower show of the New York Florists' Club, at the Concert Hall of Madison Square Garden. The hall is well adapted for a floral display and the light color of walls and balconies is calculated to set off to best advantage the drapery of wild smilax. The general arrangement of the exhibits and decoration of the hall reflected much credit on Mr. Donlan, who made the best of the material at hand. The grand central feature was the enormous quantity of carnations entered for the silver cup offered by James Dean, and which formed a great crescent, extending along the entire front of the stage. These exhibits were backed up by large palms and other decorative plants. Among these latter were some fine araucarias, bays, and miscellaneous show plants from F. R. Pierson Co., bays and rare palms from Siebrecht & Wadley, also from E. W. Weimar, Alex. McLellan and Wm. Anderson, gardener to Mrs. C. A. Pratt. A big specimen *Microlepidia hirta cristata* from Mrs. Pratt formed a most effective center piece.

The display of carnations altogether was a most notable one and furnishes a little foretaste of what may be expected when the American Carnation Society meets here in the winter. The Dean special prize, a silver watering pot, was won by C. W. Ward. His exhibit was a grand one, the great vase of Bridesmaid being the most glowing spot of color in the show. Besides all the leading and popular varieties, he showed many new ones, such as Meteor, Ethel, Mrs. Chas. Duhme, several of Shelmire's yellows and a miscellaneous lot of seedlings in all colors. Among the other competitors for this prize were Dailedouze Bros., J. N. May, Chas. H. Allen and H. Weber & Sons. To Dailedouze Bros. and J. N. May silver medals were awarded for the excellence of their exhibits. In Dailedouze's collection were the new Fred Weir, which received a certificate of merit, and Helen Keller in grand shape, as well as many un-introduced seedlings. Maud Dean, Lily Dean and Lena Saling, in Mr. May's collection, were incomparable, the two first named being given certificates of merit. Throughout the carnation exhibits Alaska stood out as a most promising white, throwing Lizzie McGowan into the shade. On variegated varieties Jos. Towell's Minnie Cook came out first. On light and dark pinks the classification was badly mixed up with the result that Wm. Scott got first, second and third as a dark pink variety, and second and third as a light pink variety, and Della Fox first in the latter class.

The date was too late for the best chrysanthemums, yet the display of cut blooms was most creditable and some of the vases were remarkably fine. The table of yellows was grand. Golden Wedding from C. A. Webber, gardener to Mr. J. Hood Wright, took the lead. Hugh Gra-

ham's group was well worthy of the special premium which was given it, Eugene Dailedouze and Philadelphia being particularly good. John White's D. G. Hughes took first premium as seedling yellow and John May's Liberty second ditto. On pink seedlings E. G. Hill's Indiana was first, and on white ditto John Condon's Lorna Doone. Dailedouze Bros. swept all the first prizes on vases of six and twelve each, closely followed by J. H. Taylor and J. N. May. Among Dailedouze's best were Cullingfordii, Pres. W. R. Smith, Major Bonnaillon and Niveus. Harry May was the best bronze shown and was staged in fine form by G. B. Winslade. The competition in vases of twelve varieties, one bloom of each, was keen, no less than eight entries being made. J. L. Powell, gardener to Samuel Thorne, took the first prize with an elegant set, C. J. Webber second, and Dailedouze Bros. third. Geo. H. Hale, gardener to Jos. E. Brown, took a number of first premiums and was awarded a certificate of merit for twelve blooms of Eugene Dailedouze. Chrysanthemum plants were not shown in any great number or extra quality. They were as good could be expected under the circumstances, however.

James Comley was awarded a certificate of merit for seedling Francis B. Hayes, a very fine incurved pink.

The exhibits of roses were not as extensive as might have been anticipated, but the flowers shown were superlatively grand. L. M. Noe was first on twelve American Beauty, and C. Weidenfeld second, the Bayard Cutting special for twenty-five ditto going to W. H. Young. Chas. H. Hagert's Bridesmaids created a genuine sensation. H. Weber & Son's Kaiserins, J. N. May's Mrs. Morgans and John Jones' Brides were also among the surprises. Other rose exhibits of exceptional merit came from J. H. Taylor, F. R. Pierson Co., Frank McMahon and F. L. Moore. A special prize for Brides and Bridesmaids was given to Frank McMahon.

The premiums for groups of decorative plants filling one hundred square feet, brought out three competitors, Siebrecht & Wadley, Wm. Anderson, gardener to Mrs. Chas. Pratt, and J. M. Keller, to whom the premiums were awarded in the order named. Messrs. Siebrecht & Wadley's group towered far above its neighbors and made a most effective central object in the hall. Mr. Anderson's group was noticeable for the great variety of brilliant foliaged plants. Equally prominent with these groups was a pair of ferns, *Goniophlebium subantraculatum*, from Mr. Anderson, with pendent fronds fully ten feet in length. Siebrecht & Wadley's *Licuala grandis* and E. W. Weimar's *Phacelaphorum Stevensonii* were also among the "pieces" that excited the admiration of the craft. In orchids Siebrecht & Wadley were the only exhibitors. *Cypripedium* in variety, *Dendrobium formosum giganteum*, *oncidiums* and *cattleya* were well represented. Other notable plant displays were *Saintpaulia ionantha* from Pitcher & Manda, *cyclamens* from J. M. Keller and Lehnig & Winnifield, and orange trees from Chas. Zeller & Son.

There was quite a large display of violets from various exhibitors, C. F. Bahret taking first premium on double and F. Supiot first on single. The latter also showed a collection of some twenty varieties of violets. H. H. Francis exhibited mignonette, Carl Jurgens, lily of the valley, and Ellwanger & Barry an extensive collection of pears.

W. G. Saltford was awarded first prize for display of violets.

W. A. Manda's show at the Grand Central Palace was kept open for two weeks. The arrangement of the groups of plants was most artistic and effective, as is only possible with non-competitive exhibitions. Two car loads of cedars were used in decorating the walls, pillars and arches. The front of the stage was faced with growing orchids and ferns set in moss and little electric lights twinkled among them. Among the orchids was a profusely bloomed specimen of *Cypripedium vexillarium*, said to be the finest plant of this species in cultivation. A *Chamaerops excelsa*, thirty feet high, the Washington sago palm from the Tilden sale, a splendid *Chamaerops gracilis* and *Kentia Belmoreana* were among the notable specimens shown.

#### Grand Rapids, Mich.

The Florist Club held its first chrysanthemum show November 14 to 18 in Lockerby Hall, the largest hall in the city. It was intended to hold only a three days' show, but by request it was prolonged two days more. Everything turned out satisfactorily excepting perhaps the attendance, which was not up to expectations. The club joined with the Children's Home management, and allowed them to carry on a sale of fancy articles, candies, cigars, etc., and also allowed them to make sales of plants and cut flowers, giving them 35% of all sales of stuff not entered for premiums and 50% of sales of articles entered. As it resulted the Home came out \$360 ahead, and the club will owe part of its premium list to be paid when made by some future show.

The show was declared to be as fine as any seen in the large cities, the reason being that the members of the club realized that the success of future shows depended largely on the quality and extent of the first. To specify anyone article would do an injustice to the others, for all exhibits were of a high standard. Mr. Elmer Smith (Nathan Smith & Son) acted as judge and gave very good satisfaction.

The table and mantel decorations were arranged on the mammoth stage and attracted much attention. The G. R. Floral Co.'s table was arranged with center vase of American Beauty with Meteor favors, and loose bunches of Meteors at the corners, asparagus trimmings. This table was the chief point of attraction of the stage, but had to take a back seat to all others. Crabb & Hunter's table was arranged with high vases (three) of Bride roses with same favors at each plate, plumosus fronds laid around the cloth and circling vases, with wide ribbons twisted and attached to each corner of the table extending about ten feet and caught together by a heavy string of A. plumosus which hung suspended from the ceiling. This table was awarded first premium. Henry Smith came in second with a heavy center piece of La France roses, adiantum and cocos palms protruding through. J. A. Creelman had A. plumosus and Gontier roses in two vases with candelabra and favors of same rose. The simplicity of this arrangement was much admired by the ladies.

Henry Smith's collection of single stem plants and also his collection of cut blooms were deserving of special mention, and were said by some present to equal anything seen at the Chicago show. Prizes were awarded to Grand Rapids Floral Co. for specimen pink, second for specimen yellow, first for white, second for 12 blooms. The same firm received several rose prizes. Crabb & Hunter were



Chrysanthemum, my beauty, now the eons have gone by!  
We are here again together, close again are you and I.  
O, my morning-mate, my sweetheart, but as moments seem the years  
Since that past in the dim ages when we had our hopes and fears.  
O, my slender, brown, Japan girl, my enchantress, proud of way,  
How the centuries are as nothing! We are here again today!  
Face to face are we together. Ah, the universe is good!  
You are mine as long ago was, in your glorious maidenhood.

When you were a mighty Princess, proudest, sweetest of your race.  
The oldest and the haughtiest, the one could clearly trace  
Its blood back through the past time to the days when old Japan  
Was the shadow of its future, but the outline of a plan;  
And I, a wandering being, a barbarian from afar,  
With a wolf skin flung about me, but a creature fit for war,  
Rude of word and rude of gesture, with my ever-ready hand  
On the hilt that at my hip was, but of battle-axe or brand.

But you loved me, tawny creature, half a woman half a girl,  
Loved the venture-seeking stranger, half a noble half a churl;  
I had thrived bloody mazes and my sword had lost its sheen  
From the many stains upon it—though its edge was ever keen—  
And we met and loved, my heart-beat, my sweet fancy of the past;  
You are mine and I am with you, you have come to me at last;  
You have come again to seek me; how the mighty passions sway  
Through the blood of generations! You are here again today!

Chrysanthemum, my darling, how we sailed the summer sea;  
How the breezes, fragrance-laden, lingered over you and me;  
How we dreamed and how we prattled of the tide of being's swell,  
Ere the forty-seven Ronins had laid down their lives so well  
Or the ancient ruler, Jimmu, had lent to this ancient birth  
All the force that made a nation, wrested heroes from the earth;  
How we floated on the waters, while the cap of Fuji-san  
Shone out purple-blue and snow-capped where the upper world began.

But the spirits—old were potent; O, Chrysanthemum, the hour  
When the demons were triumphant, when they changed you to a flower!  
When, all desolate, I wandered, sword in hand, with fierce intent,  
Knowing nothing, fearing nothing, on some grim reprisal bent;  
But how helpless the rude mortal, with his little gift of steel,  
Seeking thus the shifty toeman whom no seeking might reveal;  
How I sought you, how I wandered; how I wandered all in vain;  
How I drifted to the Westward—a barbarian again!

But Chrysanthemum, my blossom, all the demons could not still  
The great life-blood was within you—for such blood must have its will,  
And the Flower, O, the Flower! How it bloomed throughout Japan!  
What a glorious gift to Nature; what a heritage to man!  
How the fleur-de-lis grew pallid by the old Mikado's tomb,  
And the cherry-blossom faded in the splendor of your bloom!  
O, Chrysanthemum, my heart-beat, there was triumph in the pain,  
You were queen, as was your dower—it had come to you again!

And the ages passed, my little one, and the ages they are right;  
They are strong, the blessed ages! They have force of life and might,  
And they twist the trend of being as the way of it should go.  
All the ages are but agents; all the gods would have it so;  
And they said—the deathless forces—what they said, my Flower, was this.  
"It is love that rules forever, and this love is not amiss."  
And they aided us, so cherished; you are here again, my Flower!  
Through the caring of the ages—in your royalty and power!

So the side-worlds came together, my Chrysanthemum, my bride,  
You are greater than when demons thought to subjugate your pride.  
You are glorious, my being, and your banner is unfurled  
As one faithful to the warrior, as the pride of all the world,  
You are here again, my Flower, O, I know you, know you well!  
You are here again; where I am is the place for you to dwell.  
You have freedom for your beauty, you have plenty of room,  
And my breath, my breath upon you summons forth a braver bloom!

—Chicago Tribune.

second for specimen pink, first for yellow, second for white and bronze, first any other color, first 10 yellow, 10 white, 10 pink, 10 any other color, second 25 single stem first 25 any other color. They also received several rose and carnation prizes. Henry Smith won firsts and seconds in several plant classes, and other prize winners were J. A. Creelman, James Schols, and Schmidt Bros. Hancock & Son received several carnation prizes. For

display of palms Henry Smith was first, Crabb & Hunter second, and Grand Rapids Floral Co. third. CREELMAN.

Evansville, Ind.

A fine chrysanthemum show was given here by the Evansville Florists' Club. The hall was handsomely decorated with wild smilax, palm leaves and holly, intermingled with Japanese fans and lanterns.

The blooms exhibited were first-class and the plants were well grown, though some were not quite at their best. A week later would have been better for most of them. Golden Wedding was too far behind to be in the procession. The weather was bad most of the week, and the club will be obliged to meet a deficit. It is a little discouraging to have to pay for the privilege of educating and entertaining the "dear" public. Mr. E. G. Gillett of Cincinnati acted as judge.

In the plant classes Julius Niednagel was first for 12 bush plants, for 3 plants, white, three plants yellow, second for 3 plants pink, first for 3 bush plants, fancy, for 40 single stem plants, and for 12 single stem plants. B. F. Kramer was second for 12 bush plants, and 3 bush plants yellow, third in three other classes. John Ellsperman was second for 3 bush plants, white, first for 3 bush plants, pink, second for 3 bush plants, fancy, 40 single stem plants, and 12 single stems. Wm. Blackman also received several third and fourth premiums.

In cut flower classes Wm. Blackman was first for 6 vases, five blooms each, second for 10 blooms, white, third and fourth in other classes. In rose classes the same exhibitor was second for American Beauty, first for La France, second for Perle. In carnation classes he was first for 25 blooms white and third for red. Julius Niednagel was first for vase of white chrysanthemums, first for 10 blooms yellow, first for 10 blooms pink, first for 10 blooms fancy. He was also first for pink and red carnations. B. F. Kramer and John Ellsperman were second and third in several classes for chrysanthemum blooms. Wm. Halbrook was first for American Beauty and Perle, second for La France, and second in three carnation classes. J. D. CARMODY.

Louisville, Ky.

Owing to the lateness of chrysanthemums this year the show was postponed until a week later than the original date. Mr. John Fries of Newport acted as judge to the entire satisfaction of all exhibitors. The hall was finely arranged, palms being placed around the walls, while the gallery was decorated with vines. A very attractive display of orchids was made by Mr. Charles Reimers, not for competition.

The premiums awarded the first day were for chrysanthemum plants. Charles Schleeter was first for 20 plants, 20 varieties, for 5 white, five yellow and 5 pink; second for 5 any other color, second for fancy traired specimen, second for seedling, third for 100 single stems, fourth for 50 single stems, second for 25 market plants. F. Lichtefeld & Son were second for 20 plants. Nanz & Neuner received third for 20 plants, fourth for 5 white, second for 5 yellow, 5 pink, third for any other color, and for 5 standards, first for seedling. This was a large incurved white somewhat in the style of Madeira, but with larger petals and taller growth. It is early to mid-season, and is expected to prove of value; it is named Mrs. John M. Atherton. Nanz & Neuner also received first for 100 single stems, for 50 single stems, and for 25 market plants. E. G. Reimers received fourth for 20 plants, third for 5 white, fourth for 5 yellow, first for 5 any other color, second for 5 standards. Jacob Schulz received second for 5 white, third for 5 yellow, fourth for 5 pink, and 5 standards, second for 100 single stems, third for 50 single stems and 25 market plants. F. W. Wrampelmeier received third for 5 pink, fourth for 5 any other color. J. E. Marret was first for 5 stand-

ards, first for fancy trained, fourth for 100 single stem. A. Stickler was third for seedling, and Ben Hains Co., New Albany, Ind., second for 50 single stems.

The chrysanthemum blooms were judged the second day. Nanz & Neuner were first for 20 varieties, 3 blooms of each, second for 25 blooms white, first for 10 blooms yellow, second for 10 blooms pink, first for 10 blooms any other color. The prize for 25 blooms yellow was divided between Nanz & Neuner and Jacob Schultz, their displays showing equal excellence. Lichtenfeld & Co. were second for 20 blooms. E. G. Reimers was first for 25 blooms white, and for 10 blooms white, second for 25 blooms pink, third in two other classes. Other prizes winners were Jacob Schultz, Wm. Walker and the Ben Hains Co.

The third day rose and carnation prizes were awarded. The display was large, Reinberg Bros. of Chicago receiving first for American Beauty, Meteor, Mme. Testout and pink carnations. Other prize winners were Chas. Schleeter, Nanz & Neuner, Jacob Schultz, E. G. Reimers, J. Buser, J. E. Marret and W. Mann.

On the fourth day the made-up work was exhibited. Wm. Mann received first for floral design, and third for table decoration. Wm. Walker was second for floral design, Nanz & Neuner third. J. E. Marret was first and J. S. Thompson second for table decoration. Nanz & Neuner received the Bradt gold medal for best display of cut flowers.

From a financial standpoint the show was a failure; too many counter attractions in one week. As an artistic show it was considered the finest ever held in Kentucky. These shows have heretofore been held under the auspices of some charitable affair, but the time has come when the society needs the benefit, and that "real bad." The show was almost entirely in the hands of E. Marret, who left no stone unturned to make it a success. H. N.

#### Kansas City, Mo.

The first chrysanthemum show given by the Kansas City Florists' Club, Nov. 12 to 14, was a grand success financially, and as regards plants and blooms, very creditable for a starter, and all the boys are enthusiastic over the grand showing. The very best people in town were seen each day at the show. The judges on plants were Geo. E. Kessler, secretary park board, Hiram Hu se, Topeka, Kan., and Alfred Broman, Pleasant Hill, Mo., all of whom gave entire satisfaction. Probst Floral Co. took the lead as prize winners, followed by Heite Floral Co., A. Barbe, J. Payne. In single specimens the prize winners were Geo. W. Childs, Zulinda, Mutual Friend and Clinton Chalfant, from Probst Floral Co. Chas. Heite showed W. H. Lincoln and L'Enfant des Deux Mondes—splendid specimens, but the bloom was not far enough advanced to capture the prize. E. T. Heite's specimen, Sunrise, was well done, but did not go with Childs. In three plants each of white, red, yellow and pink, the prize winners were in white, one W. G. Newitt, two Mutual Friend; in red, Geo. W. Childs; in pink, one Zulinda, one Vivand-Morel, one Beaute de Lyon. In yellow, one Clinton Chalfant, two Golden Gate by Probst Floral Company; Chas. Heite showing W. H. Lincoln, Ivory and Mrs. B. Findlay; fine plants, but not far enough advanced in bloom. In single blooms the contestants were Chas. Heite, E. T. Heite, A. Barbe; Probst Floral Co., showing 25 varieties which took first, and were the best in the hall, H. L. Sun-

derbruch, J. G. Beer and Inter-Ocean being the most admired, and especially H. L. Sunderbruch.

Cut blooms were shown on the second day and were judged by C. C. Ripley, an honorary member of our Club, to whom is due in a large measure of our success, he having entire charge of all exhibits, door receipts, etc. Mr. Ripley is a high railroad official, well posted in matters pertaining to floriculture, and without a doubt one of the best posted men on hardy plants in our city.

The *Kansas City Star*, our best paper, offered \$25 for three blooms each of 25 varieties; and prize for three blooms each of 15 varieties was offered by J. C. Vaughan. Chas. Heite showed 25 varieties and captured the *Star* prize. Probst Floral Co. showed 40 varieties and captured the Vaughan prize. In Probst's collection were some splendid blooms of H. L. Sunderbruch, which were given the prize for largest and best blooms in the hall. Chas. Heite's collection contained some extra blooms well done, including Yellow Queen, Chas. Davis, V. Morel, Hicks Arnold, Inter-Ocean and W. G. Newitt. Charley also took in 20 pink with V. Morel, 20 red with Childs, and 50 with Hick's Arnold, Probst getting the 20 yellow with W. H. Lincoln; and J. Payne with white. In roses and carnations the showing was only fair, there being only a few competitors.

The last day of the show was devoted to floral designs, L. J. Stuppy, of St. Joseph, being judge. Probst Floral Co. captured three first prizes for best floral design, best basket of flowers, and best center piece for table. James Payne best basket chrysanthemums. All around the hall each one had plants and blooms for sale, and business was splendid during the entire show. Trade in general has been extra good lately.

Visitors to our show the past week have been as follows: James Hayes, Topeka, Kan.; Ed. Bunyar, Lee Summit, Mo.; J. H. Weeks, Liberty, Mo. M.

#### LaFayette, Ind.

The writer paid a visit to Fred Dorner & Son's private chrysanthemum show at LaFayette, Ind., November 20. The show was held in a chapel, the attendance should have been much better, as the display merited all the praise bestowed upon it by those that did attend. The chapel was nicely decorated with wild smilax and lycopodium. Decorative plants were used in profusion. The center group consisted of a tub filled with at least 200 blooms of Mrs. Duhme chrysanthemum, purest white, feathery flowers, arranged around them were ferns in pots and several other tubs filled with specimen blooms of Bonnafon, Mrs. Murdock, Bigelow and other varieties. Along the sides were arranged other specimen chrysanthemum blooms, among them several promising seedlings. A vase of Philadelphia attracted the writer's attention, the blooms were perfect, and seemed to keep up well. Bigelow showed up beautifully, also Mrs. Murdock, these two varieties for red and pink are certainly the best in their class. Dailedouze and Bonnafon cannot be beaten for yellows as seen here.

Of course the carnations shown by Mr. Dorner attracted universal attention, they made a show of themselves. It would take too much space to describe them only in part. Three beautiful baskets were shown arranged by Miss Emily Dorner, one was a study in yellow and white chrysanthemums (Bonnafon and Mrs. Duhme), the other a combination of the most perfect and beautiful specimen

cut blooms of carnations, among them some new striking seedlings. The third basket consisted of choice roses. All three were finished with choice harmonizing ribbons. The sale of flowers was brisk. Three displays like Mr. Dorner's could fill a large hall and make an exhibit that could not be beat anywhere.

A visit to the greenhouses will repay anybody in the trade, everything is systematic. Of special interest are the soil bins and fertilizing vats. Hours can be spent going through the carnation houses. The seedling house is a sight, such large and perfect flowers, it seems they are all fine new varieties, but Mr. Dorner will not throw any on the market except he has given them complete trials, not less than three years, thus doing away with any possible failure. Mr. Dorner has a splendid local and neighboring retail trade. The whole place has an air of progressive prosperity. W. B.



#### Carnation Notes.

Like many other features in carnation culture, disbudding is more practiced every year, and the benefit derived therefrom, is more duly appreciated. Where large flowers with good stems are wanted disbudding should never be neglected; even the young side shoots that appear on some varieties, as Scott and Meteor, along on the stem, should be removed as far down as desirable to be cut, unless wanted for cuttings. We have an example in growing large flowers on the chrysanthemum. The same principle is entertained in growing large carnations, with the exception of the thinning out of the young shoots, for in the carnation we have a succession of blooms, while the chrysanthemum matures all the flowers at one time. The principle is everywhere the same, that is, to concentrate the strength of a plant, or part of a plant, as their construction may be, to one point, the point all plants aim to reach, flower and seed, or in other words reproduction.

In the eyes of the naturalist we overstep the mark, for our productions are mostly incapable of forming seed, a result of cultivation. But only through cultivation we are able to attain the height of perfection as countenanced and admired by the multitude of humanity; and disbudding is one feature of this culture.

Quantity rules yet over quality, and it is astonishing, when reading the market reports, to be informed of the glut, quantities of flowers being unsold and destroyed or sold at a price little better than giving them away. Is it not time to stop and consider how to grow less and improve quality? When in time of over production, a good article can be sold at half price or less, it is still a great deal better than an inferior one left unsold, becoming total loss.

Disbudding improving the quality, leads naturally to other features in this progressive movement, and first stands propagation. And right here I will call attention to the habitually loose way carnation culture was carried on, and to some extent is carried on yet. Where all flowers possible are wanted, and all cuttings taken that will strike roots, can we still



A COZY BROADWAY STORE, NEW YORK.

expect to have a plant left able to repeat the same thing over again? What will be the result? Deterioration will be unavoidable.

To come to the point: What are the best cuttings? In my judgment the best cuttings are taken from plants exclusively grown for that purpose. The sooner we realize this the better we will advance in improving our products. Plants selected for that purpose should be kept cool after lifting, forcing them to a temporary partial rest. We never can rest them entirely, it is not in their nature. While being kept cool root formation will go on. Gradually increase temperature and treat them as if you intended to raise the best crop of flowers. When the buds appear, nip them off with two or three joints of the stem, that is as far down as a variety is likely to throw out laterals. This will necessarily start the dormant eyes on the stem left, or increase their growth when already started. And these when grown to the required size, are to my opinion the best cuttings. Truly, it is said, when a plant is in bloom it is in its highest vigor and strength, and consequently the cuttings must be best at that time. Nobody will deny the former assertion, and in regard to the latter I only want to husband that strength, and divert it to the growth of what will become my cuttings instead of spreading it in the effort of blooming and forming seed. This is my idea of taking cuttings. This principle may be carried out in many varieties as circumstances may present. I wish to

advise guarding against over propagation, and consequently against deterioration; against taking everything, and still expecting to have something left for further use.

Again, the division of growing blooms and cuttings on separate plants, can not but work beneficially each way, for there is not only a chance to grow healthier stock, there is also a chance to improve the quality of the cut blooms. When propagation is over, the plants may be thrown out to make room for something else, or may be kept for late spring or summer blooming. At any rate their mission is fulfilled after furnishing a good supply of fine healthy cuttings.

FRED DORNER.

#### A Cozy Broadway Store.

Rents on Broadway, New York, limit the tradesmen who would do business on that busy thoroughfare to narrow limits, and the spacious quarters which the florist enjoys in less congested communities are here out of his reach. The subject of our illustration is one of the prettiest of the little Broadway stores, and its proprietor, Mr. Warendorf, is one of the most tasteful flower workers in the city. The view is taken from the rear, and looking toward the window. The interior finish is white and gold, against which flowers and green always show to best advantage. The lattice work over the interior of the window furnishes a good opportunity for the exercise of artistic

taste, festooning with vines and decorating with autumn leaves or other material. At the rear is a little office and an ice-box with plate glass front.

#### The Chrysanthemum *Corythuca*.

I am much interested in the *Corythuca Gossypii* spoken of in Mr. Frank Davis' enquiry and Mr. Barker's reply, both of which appeared in the AMERICAN FLORIST of November 9. This insect has been known to me for several years, and I had almost begun to wonder why I had been so singularly blessed (?), as I have only once before seen it mentioned, and then it was spoken of more as a myth than anything else and only incidentally. It is, to my mind, the deadliest foe to the health of the chrysanthemum. It multiplies rapidly, as rapidly perhaps as any of the aphid family, and it is much more destructive and difficult to get rid of. It attacks the under sides of the leaves and also breeds there, usually beginning on the lower leaves of a plant and working its way up. While particularly fond of chrysanthemums, it by no means confines itself to that plant. Asters, matricarias and even zinnias are subject to its depredations. It flourishes in hot weather, wet or dry, and multiplies more rapidly in the shade than in the sunlight.

Unlike the red spider, water appears to bother it very little. My experience has been that kerosene emulsion is about the best remedy I have tried, tobacco water doing little good and blanch being difficult to apply and having no appreciable



effect on it. Fumigation should be good for plants grown entirely under glass.

Mobile, Ala. JOEL W. GOLDSBY.

#### Among English Gardens and Nurseries, 1895.

[Abstract of a paper read before the Boston Gardeners' and Florists' Club by E. O. Orpet.]  
[CONCLUDED.]

When I found Sir Trevor Lawrence's place away down among the Surrey hills, it seemed as if I was in one of the prettiest parts of the south of England, and the place itself, though not so extensive as some others, evinces at every turn the great enthusiast that is the happy owner. I found the orchid grower, Mr. White, in his potting shed, and the first thing that caught my attention was a large crate of our fern root, and we were on familiar ground at once. He is the only grower I saw that used it in any quantity, but he says he has had such success with it that he will use no other for cattleyas; he told me that he obtained it from John May, and his plants certainly seem to thrive better in it than most of the others I saw grown in the English peat. The masdevallias were the best I saw, there also was a fine specimen of the vanilla-bearing orchid with a fine crop, about thirty pods, of fruit. Mr. White had never been able to get pods before, but these promised to mature finely. The quantity of glass here is not large, but all the occupants are in the best possible health. I must tell you about a new system of fumigation they have over there now, it is called "Richardson's XL all," and is vaporized over a spirit lamp in a small copper dish; one is enough to a small house, and I here saw it in operation. It is of course a tobacco compound with a strong odor of camphor when burning; the fumes are very slight but pungent enough to kill all insects that infest plants, including white thrips, scale and mealy bugs. I was inclined to doubt these latter gentlemen being so easily disposed of, but was assured by some of the most conservative men that it was so, and also that it did not injure the fronds of adiantum in the least. It is very costly over there, and would cost more still here, but if a branch establishment were opened on this side for its manufacture where tobacco is cheap, it could be produced at a reasonable rate.

Baron Schroder's place is situated on the high road leading from Egham to Windsor, and means a good long walk whichever way you go, of at least three miles, but the reward is great after you get there. The estate is situated on both sides of the road, which is bounded by a high clipped hedge, and to get over this little disadvantage the Baron has made a tunnel under the road, lined at top and sides with polished white tiles and well lighted, so that the high road is no obstruction at all. On one side this tunnel leads up through one of the best bits of artificial rock work I have ever seen; the various strata are imitated in such a perfect manner that I had hard work to believe it was constructed of clinkers and brickbats washed over with different colored cement as required to bring the desired effect. Rock plants were in every nook, also ferns and hardy orchids growing almost as well as in their native bogs, for water was made to trickle down and about the rock in a perfectly natural manner. The place itself has been christened "The Dell," and from the house you get a lovely vista with a deeply wooded bank on each side in the foreground and away in the far distance on an eminence is the Castle of

Royal Windsor. All departments are well managed here, but the orchids are noted for their rarity and good culture. It is no part of my program to tell of the rare and unique orchids I saw in bloom, but I was fortunate in seeing two plants in flower of the rare *Cypripedium Stonei platytænum*, the most valuable of all cypripedes, but by no means the most beautiful, in my opinion. I must tell of a new device they have as a plant stand for large specimens that are in big heavy pots. Two circular discs are made of cast iron, one having a socket and the other a pivot cast on to fit this, both being ground so as to fit snug and on this upper one the pot is placed, containing perhaps a huge cymbidium, which at the least touch is turned half around to examine or to water or to bring the other half to the light; it is a most convenient invention, not costly, and a child can do the work of two men with no effort. The whole stand does not raise the plant more than three inches.

Rare hybrid cattleyas and *lælias* are the favorites here and they are present in large quantities, and generally well grown; dendrobies are also here in quantity, but cypripedes are not so numerous as other genera. The *odontoglossums* are grown well here and seem to be present in all the rarest and most beautiful forms in large specimens. Chrysanthemums, grapes, stove plants and houses of tea roses are also seen.

A miserable wet morning is not a good time to visit a London nursery in a suburb that is not too attractive, but such was the day I started out for Messrs. Low's establishment at Clapton. Mr. E. V. Low, whom most of us are acquainted with, was away on his honeymoon, but the manager did the most he could to make things interesting. It is a huge place, far too big to be seen in detail, so we just peeped into the orchid houses and in at the doors of the palm houses. Mr. Boxall was just home from the East with an immense quantity of plants. We often hear of the hardships travelers have to go through who go to collect orchids; Boxall must have reduced it to a science by this time judging by his rotundity and healthy color, no symptoms of swamp sickness or jungle fever about him, and he has been collecting orchids for over twenty years. I may also mention that when at Kew I was fortunate enough to meet Curtis, another collector just home from the forest department of Perak. Messrs. Low's lease will soon expire at Clapton, and as fast as they build new glass it is done at their new branch establishment at Enfield, where they are now taking all the best of their plants as they come in, or reach the flowering size.

In the afternoon Mr. Ianson, Messrs. Low's orchid grower, went with me to see the places belonging to the two Measures. We went to Streatham to see Mr. H. H. Measures first, where Mr. Cole is in charge, and can truthfully say that anyone going over should by all means see this fine collection. I think the last house we went into was numbered 34, and each one was filled with plants in the best possible health. *Cypripediums* are the favorites here, three houses being filled with unflowered plants of *C. insigne montanum* alone, and a great quantity of rare and choice varieties that had bloomed, besides quantities of seedlings in all stages. Later we saw Mr. R. M. Measures' place at Cambridge Lodge, where Mr. Chapman is in charge; he is the author of the complete list of cypripediums up to the present time, and I was able to secure a copy, which for accuracy

is a remarkable work. *Cypripediums* are here also the main feature and well done too, so also are the other principal genera, especially *masdevallias*.

Mr. Chamberlain's place near Birmingham has become famous for its good gardening of recent years, and being on my way home via Birmingham it was possible for me to call there. Two gardeners are kept here, one for the orchids and the other for the fruit houses and grounds outside; these latter are very extensive and include artificial lakes, avenues, large beds of rhododendrons and many thousands of crocus and narcissus bulbs naturalized in the grass that must be a fine sight in spring when in bloom; all this is within easy distance of the blackest city of the black country, but things seem to thrive as well as in the sunny south counties. The glass is extensive and is built up to the mansion, ending there with a big conservatory with rock work and large tree ferns and palms planted out, and kept gay with climbing plants and others in pots. From this a corridor opens out and runs the whole length of the other houses, that are built span-roofed and open into this corridor. Mr. Chamberlain is a busy man in the day time, but in the evening he can walk out of his drawing room and press the button and the whole of his greenhouses are lighted up by electricity for inspection as by day light. The show house where plants are when placed in bloom is a mass of adiantum banked up round the house, and the plants (orchids) are brought and placed among the ferns, making a beautiful combination. This system of having a show house of ferns is quite commonly seen and is a good one where the owners are willing to come out into the houses to enjoy their flowers; the temperature is kept rather cooler than the one in which the majority grow and dampness is avoided, so that the flowers last a long time in good condition. I saw here for the first time in actual use, the roller shades made of lath strips, and was able to appreciate their value and durability. Mr. Burberry assured me, and it was demonstrated that the foliage of orchids was not liable to burn or even become warm under the lath shades where direct sunlight was admitted in shifting rays, while under the canvas shades the foliage becomes much warmer to the touch even where not a ray of sun could penetrate. Much of the best plant growing is now being done over there now under these lath shades; the cost is not more for these than for good open duck shades and they last thrice as long, are easy to make in slack times in winter, and they do not need to be elevated above the roofs, as superheated air is not confined above the glass as with canvas shades. We should over here have to modify their blinds somewhat and leave a much smaller space between each lath than they do to make up for the greater amount of sunlight and heat that we get here in our summers, but I have no doubt they have a practical use for us in the near future; the same ropes and pulleys can be used, or a wheel and chain at the end may be used instead to operate them. Mr. Burberry is one of the most skillful cultivators they have over there, the author of a book on orchid culture that is less than a year old and already out in its second edition, so a most interesting time was spent there. He was only too glad to impart knowledge or to hear of our methods of gaining the same results. This collection is rapidly taking rank among the best, and the increasing health and vigor of the whole must be a great



DEUTZIA LEMOINEI.

source of pleasure to the busy man of business and politics who is the enthusiastic owner, and also to his wife, who is a Massachusetts lady.

A visit was also paid to Lampton Castle near Durham, where Mr. Hunter, the noted grape grower, still well to the fore with fine fruit. A most interesting sight was a large house of grapes that were seedlings from crosses made between the American varieties such as Concord and those of European origin; the bunches were superb, also the rich deep bloom on the berries; he told me he had obtained the latter from the American kinds and the other characteristics were those of the other parents. There were both white and black varieties of superb finish and size of bunch; we shall probably hear more of these in future when they send them before the critics to be judged. Pears do not succeed here outdoors, and Mr. Hunter has planted a long house of them trained on single rods up the trellises and spurred in like a grape vine, and to see them there hanging all over the trellis was a most unusual sight; the size was fine, also the color, and he claims that he can beat even the foreigners with fruits grown under glass in this fashion. Another novelty seen here for the first time was a steam lawn mower; a pretty little vertical engine was attached to an ordinary mower of the horse power size and was heated by kerosene oil, and it took a good smart lad to keep pace with the machine, for they do not have seats for

the driver over there. The work done by this machine was of first-class order, there being no tracks of horses' feet to mar the work, and Mr. Hunter expressed himself as much gratified with the machine, which will speedily cease to become a novelty. If I remember correctly the cost was about \$250.

Lake Windermere was seen and a number of gardens in its vicinity were visited, including Levens Hall, where the best example of topiary work now in existence is still kept in good order; the same are said to be over two hundred years old. Belvoir Castle with its noted gardens I spent a day in, with Mr. Divers, who has recently succeeded Mr. Ingram, the master mind who made the place famous; the charm of the place is wholly in its hardy trees, shrubs and outdoor planting, of which there is infinite variety, including all that are North American and so suitable to the climate. The castle is on an eminence that commands a lovely view from the ramparts extending over seven counties, most of which are flat for many miles, the lofty Belvoir heights being conspicuous not for their altitude so much as for the flatness of their environs. I had looked forward a good deal of the time to seeing the famous Burghley Gardens, so ably managed by that great old gardener Gilbert for nearly half a century, and shall be able to look back now for the rest of my life to the pleasant Sunday spent with him among his grand kitchen garden, fruit trees, seed grounds, and

forcing houses; it is essentially a garden of fruit and vegetables and the fund of information he possesses and is bubbling over with is a revelation to us younger men who are sometimes perhaps inclined to look with scant ceremony on those who are now classed as being of the "old school." Mr. Gilbert is now rather stiff in limb, but his mind is evergreen, and may it ever be so is the wish of one of his admirers.

It is a pleasure when traveling from place to place, seeing too often places that are managed with about half the help of the palmy days of old, when free trade was unknown, and agricultural rentals were good things to have; it is a pleasure I say to see now and again a fine establishment that is kept up regardless of cost so long as all things are forthcoming, and this is the case with the famous Trentham. As I knew it of old everything was sold in open market, and the family did not visit the place once in years, but old things have passed away, including the old Duke, and this is to-day one of, if not the best and most extensive of private gardens in Britain; there used to be between forty and fifty kept altogether, now there are over one hundred and the difference is most marked to one who has not seen it for some time. The lovely lake with its extensive woodlands extending along the high banks, the immense masses of rhododendrons, the vast flower gardens and the whole of the many glass structures, numbering over fifty (there used to be fifty-six, and more have been built lately) are all in the finest order and keep, and if any of my hearers want to see a typical ducal garden they cannot do better than go to see Trentham gardens near Stoke-on-Trent.

#### Deutzia Lemoinei.

This is a cross between *D. gracilis* (pollen parent) and *D. parviflora* (seed parent), the latter a newly introduced species from northern China.

This hybrid was exhibited for the first time April 12, 1894, before the National Horticultural Society of France, by which it was awarded a first-class premium and a first-class certificate of merit. On the grounds of Messrs. V. Lemoine & Sons, Nancy, France, it has proved as hardy as any other *deutzia*, and has flowered as early as *D. gracilis*. The inflorescence is a ramose panicle with 15 to 25 flowers. The flowers are large, well opened, pure white, the filaments of the stamens being trilobed. They are so densely placed that they conceal the peduncles.

The illustration is from a photograph of a plant lifted from the open ground before winter and grown on under glass.

It would seem as though this *deutzia* should prove valuable for forcing.

#### Poinsettias.

Perhaps I have had somewhat unusual opportunities with poinsettias, and have at one time or another grown them under very varying conditions. I had done so before I became acquainted with the late Robert Buist, who told me in 1872 that he could obtain half a dollar for a pot-grown head of bracts. I thought in a moment such a price could not obtain very long, so in a few months as I had the opportunity I took a bundle of prunings along to a large place in Pennsylvania, determined to try if I could not grow as good heads as Buist's, of a more durable quality, in less room, for less money, on an old country plan which I have written

up over and over again, but which I find will still bear repeating.

The "canes" or sticks were cut into lengths of from one to four joints according to their distance apart, no cutting exceeding four inches long, and they were almost buried in rotten sawdust—bottom heated—in a forcing peach house. This was early in March if my memory serves me, certainly earlier or as soon as that in the subsequent years. They were rooted and potted up by the middle of May, and but poorly rooted out by the first week in June, but no matter, they were tumbled into the ground, and I don't remember that any of them missed, certainly not enough of them to be counted. In the rich kitchen garden soil they grew, you may depend upon it, and by the middle of August I had 300 poinsettias or more with growths of from 4½ to 6 feet tall, mostly with one but some of them with two strong growths. In the last days of August I cut six to eight inches of the tops from all of the plants but a dozen, and dibbled them into well drained 4-inch pots, full of ordinary real good soil. I wanted the green cuttings to grow of course, and if they did I was sure of a stock for future years, but I also potted up the dozen big fellows and had a fine time to keep the leaves on them. They had to be shaded heavily, and I wish to observe in this connection that subsequent years' experience showed me that there is a vast amount of difference in where a poinsettia is grown, as to its leaf-retaining ability. They will hold them far better in a river valley than on a dry windy hill top. When the cuttings were taken, all the plants from which they were cut were pulled up and barrowed off to the dump. Understand I had no bench room but I could better utilize it for something else. I now had nearly all my stock of poinsettia in 4-inch pots for the winter—hit or miss. But they hit, or quite 95% of them did so. I had no bottom heat at that season of the year, and they did not root quite as quickly during September and October as I could have wished, yet with attention to shading, occasional syringing and watering they rooted, held their leaves fairly, and produced heads at the usual time, quite fine, often finer than Buist was getting from six feet old plants in from 7 to 10-inch pots, which he had plunged and watered, carted in and out, and kept in a lot of room and with a lot of attention all through the early winter.

Those 250 or more of the best of the strike made a gallant show in a Christmas conservatory, and I think I had some of them up to the end of January. In after years I have had doubles up to March and have also grown the creamy white variety, which is useful for contrast in color but rather weaker in habit. This is the best and most useful way of growing the poinsettia where room is an object, and where moderate sized heads will meet the demand. Of course such stock can be sold in the pots and used for a variety of purposes.

Where extra sized heads are desired such small stock can be planted out and lifted by the first of September, and sandwiched down on a bench, that is to say—laid one over the other—or older plants can be treated in the same way. It is just as well on this plan to remove two-thirds of the leaves when the plants are lifted, you will be likely to remove them anyhow sooner or later. It is not necessary either to cover the whole bench with soil. My plan has sometimes been to use strong old plants capable of producing half a dozen shoots, and at

lifting time to trim off the leaves and lay them three or four in a rank, pour over them a bushel or two of good soil, lay another rank over the roots and a third or so over the tops of the first, then soil over the roots again, and soon, until you have a house full if you wish. There will be a place bare of flowers at the end which may be variously managed, planted with heliotrope or tea roses or something enduring a poinsettia climate.

It would seem that everyone does not quite know what a poinsettia climate is. The poinsettia is now found all over the tropics and it grows everywhere except in the "dripping" climates, but it does not flourish equally in them all. It is really sub-tropical. At all inter-tropical stations up to 4500 of elevation—so far as I have seen—it does no whit better than it does with us; but from 4500 up to 6000 feet above the sea, especially at 6000 feet, is where you find the poinsettia in all its glory. Maybe if I tell you that I have seen bushes at this elevation bigger than any *Hydrangea paniculata* growing here, and similarly loaded with heads of color you will think I am a denizen of snake country or other, but it is no snake story; they not only grow 12 or 14 feet in diameter but they retain their foliage all through the year. Here is the range of temperature and the rainfall for the spot where the very finest one I ever saw was growing.

	Min.	Max.	Rainfall inches.
January	51	66	2
February	52	67	3
March	54	67	6
April	56	68	10
May	56	68	2
June	58	69	2
July	60	70	4
August	60	71	2
September	59	69	2
October	56	68	10
November	54	67	2
December	52	66	5

Lowest temperatures just before sunrise. Total rainfall 50 inches for the year. Now this maybe is a rather more equable climate than we can attain to anywhere, even with the aid of a conservatory, but in such places it can be approached pretty closely, and I only have to say that if the plants can be planted out, and the sash removed in summer, the chances are that in a few years a bush will be produced for which will be one of the greatest sights in all North America. The orange grows wild (not adventive) in the same climate. Trenton, N. J. JAMES MACPHERSON.

## OBITUARY.

MR. GEORGE SUCH.

The recent death of Mr. George Such of South Amboy, New Jersey, removes one who may be justly regarded as a pioneer in the commercial use of orchids and stove plants in this country. The grand collection of choice specimens at South Amboy, while under the care of the late James Taplin, formed a Mecca for plant lovers, and in some special lines it has never been equalled since.

Mr. Such was born in London, England, in 1828. At an early age he went with his parents to Canada, removing to this country in 1835. He did not enter the florist's business originally, being a mining engineer by profession, and having large clay mining interests around South Amboy. He had been engaged in this business for several years when he began to interest himself in floriculture as an amateur; he soon increased his collection, and in 1868 Mr. Taplin came over from England to assume charge of the establishment which afterwards became so prominent. At this time it was almost

impossible to buy a fine orchid in the United States; some few amateurs possessed choice specimens, but they were all imported. The idea that orchids would ever be looked upon as part of a florist's regular stock was regarded as chimerical, nor was there any thought that these flowers would ever be regularly quoted in the market.

Mr. Such had great success, and was widely known as a grower of fine bulbs, especially gladiolus, long years before any others went into them to any extent. By careful selection and hybridization of the foreign varieties his seedlings became renowned, and for many years commanded a higher price both in London and New York than any other except the finest French named varieties. At the Centennial Exhibition in Philadelphia he made a magnificent exhibit, far in advance of any except the one from England. This was done at great expense, far more from public spirit and a laudable desire to show the world what the United States could do, than from any hope of gain. In a business point of view it caused him great loss, for when congratulated upon the beauty of his plants he observed, rather ruefully, that "the English nurserymen had no idea that such plants could be raised here; now that they realize it they are sending travelers all over the country."

The business at South Amboy was continued for about eighteen years; at the end of that time the collection was sold, Mr. Such retiring to devote his energies exclusively to his other interests. There is no question that his establishment gave a tremendous impetus to the culture of rare plants in the United States. It is doubtful whether any other commercial place in this country has ever duplicated some of the specimens seen there. The great pans of *Cœlogyne cristata*, the grand anthuriums, and above all, the nepenthes, may be specially recalled, particularly the hybrids, which, for the most part found their way to English collections at the final sale of the stock.

Personally Mr. Such was a man of culture and education, though very quiet and unassuming in his tastes. He was prominent in local affairs, and was at one time president of the New Jersey Horticultural Society. His death, which occurred in New York, following an operation rendered necessary by a painful illness, came as a shock to his many friends. He leaves a widow and a family of four daughters and two sons.

Astilbe Lemoinei.

The astilbe is the result of a cross between *Astilbe Thunbergii* and *Spiræa astilboides floribunda*. It originated with V. Lemoine & Son, Nancy, France, to whom we are indebted for the photograph from which our illustration is engraved. It is hardy in France, blooming in the middle of July. It attains twice the height of *Spiræa astilboides floribunda*, has good foliage, and the large branched spikes of feathery flowers are white with a pinkish shade.

Pittsburg.

Some persons will scarcely credit the assertion that on a Sunday between 18 and 20,000 people would visit a chrysanthemum show, but that is what has occurred here for the past two Sundays. The rush was so great at times that the doors were closed so that the crowd inside could be safely handled, the people standing in line six deep on the footpath clear to the bridge, quite a distance away, all this to



ASTILBE LEMOINEI.

see the display at Phipps Conservatories in Schenley Park, one railroad brought a train load of 14 coaches filled with visitors from Ohio and nearby towns, and nearly all also visited the Art Gallery at Carnegie Library, which is but a short distance from the conservatories. Mr. A. W. Bennett, superintendent, has on exhibition between 500 and 600 varieties, in all about 15,000 plants. As visitors enter they go into the palm house, which is in itself a show with the large variety of palms, ferns, etc., with which it is stocked, the arrangement of them evincing a great deal of skill and good taste; then out into the first chrysanthemum house. The plants are in solid beds here on the benches but a raised platform walk as high as the benches is built, so that all have a fine view of the blooms; thence into the second chrysanthemum house. The plants here have been grown in pots and are massed in such a way that the effect is entirely different from the first house, but the beauty of every variety is perfectly and easily seen. From

this house we enter one filled with cyclamens, primroses and other plants in variety, there are about 2000 cyclamens from 10 to 18 inches in diameter in 6 and 7-inch pots, all extremely well budded, and when in full bloom will make an exhibit worth seeing. We pass on through to the third chrysanthemum house, which is arranged as in the first one, raised walks, etc., and then into the stove house, but this would require a longer description than can be given to it now, suffice it to say, it has been pronounced by competent judges to be "the finest one in the country." A great deal of the credit of this display is due Mr. Joe Spring, foreman, for Mr. Bennett having so many outside improvements to look after, it devolved upon Mr. Spring to develop the 'mums and the satisfaction of both public and florists at the result is the best evidence of a success.

The display at Highland Park, while necessarily much smaller, was equally fine, and Mr. George Burke, superintendent, is to be congratulated on his suc-

cess. If he had entered in a show, some of the premiums would have been his beyond a doubt.

The Allegheny Phipps conservatories have also been on exhibition, and the display there has delighted many visitors. The main exhibit is pyramidal in form, about 20 feet high, plants in pots, a number grown as standards, many of them having from 25 to 50 blooms on them and all of good size.

Mrs. E. Williams, 1713 Carson street South Side, has given her annual chrysanthemum exhibition. The plants were nicely arranged filling on steps from floor to ceiling. They, as well as all other flowers shown, (roses, carnations, etc.) were grown by Mrs. Williams herself and with three to four blooms to a plant, some showing four blooms over 8 inches in diameter, and very few less than 5 inches. Carnation and roses were very fine. Mrs. W. is to be congratulated on the exhibit; the club is justly proud in having a lady member who is making such a very decided success as a florist.

The former secretary of our club, Mr. Ed. Thiel, met with a very serious accident recently as he was going to his suburban home. The train he was on was blocked near their station and he and a neighbor concluding not to wait, got off to walk home; after they left, the train was shifted to the other track and they thinking only to meet trains coming toward them stayed on it; they were both struck by the engine, Mr. Thiel having his leg broken, shoulder crushed and badly bruised, his companion being if anything more injured. They were brought back to the city to a hospital and are getting along as well as could be expected. Mr. Thiel thinks he may be able to sit up a little by Christmas. He has the sympathy of the club in his misfortune, and they hope to see him about soon, fully recovered. REGIA.

#### Atlanta, Ga.

On a recent visit to the great Atlanta Fair, through the courtesy of Mr. W. C. Lawrence, their manager, I had the pleasure of visiting the up-to-date greenhouses of the West View Floral Company, situated in West View Cemetery, three miles and a half from the city, which was a great revelation to me. They have the largest and best arranged plant in the South. The houses are all as thoroughly and substantially built as can be found in any part of the country, using large glass and the most improved ideas of ventilation, and are well piped for heating either with steam or hot water, making them first class in every respect. Mr. E. P. McBurney, formerly of New Jersey, but now one of Atlanta's most prosperous and energetic business young men, is the moving spirit in the enterprise, and was induced to go into the business through his love for flowers. He has secured the services of Mr. W. C. Lawrence, a gentleman who has had long experience with some of the best houses in New York city, and thoroughly understands his business as manager, and Mr. Ogdon, who has also served a long apprenticeship with New York's best business men as grower, and judging from the looks of his stock in all departments he knows what he is trying to do. One house of American Beauties, 20x150 feet, was a beauty to look at, as fine as ever grew, foliage clean and down to the soil without a sign of black spot in the house, very fine long buds and of perfect color. A house of Perles was equally as good in every way. Several houses of



Brides, Bridesmaids, Meteors, etc., were in excellent condition, but had not been planted so long. They were producing flowers that even some of our big growers of the east might be envious of. A few Mrs. Pierpont Morgan were being tried; while the plants were looking fine, the flowers were small and many coming deformed. It has been a disappointment.

Three houses of carnations, which had been planted in the houses all summer, were looking good and healthy, not a particle of rust among them. Good flowers were being cut and good prices received. Scott seemed to have the preference. One house of 'mums, a large number of the best varieties being grown, were as fine as could be found in any portion of the north, and what was better, were bringing old time prices, \$4 to \$9 per dozen, some specimen flowers bringing an even dollar. This is practically their first year with violets, of which they have one large house which are promising well.

The soil is red clay, no sod, with which they mix some sand and large quantities of horse manure and bone meal, and from appearance of the stock it is certainly an ideal rose soil. Only three inches of soil is used for any of their rose stock. The trio has most effectually exploded the idea that good flowers could not be grown in the South. Both the wholesale and retail prices are considerably higher than in Chicago. The company disposes of most of their stock at their retail store in the city, where they are doing a fine business.

O. P. BASSETT.

#### Cincinnati.

November 23 the Cincinnati committee of the C. S. of A. recommended certificates as follows:

To Nathan Smith & Son, for Western King, white; parentage Niveus X Ed. Hatch; planted June 20; height 3½ feet; terminal bud taken September 20; cut November 15; bloom fair, foliage and stem good; received 87 points. For yellow Modesto; parentage Mrs. C. D. Avery X Mrs. Mrs. Craig Lippencott; planted June 20; height 4½ feet; terminal bud taken September 20; cut November 8; stem weak and foliage only fair; 92 points. For Violescent, white; parentage Temptation X Pres. W. R. Smith; planted June 20; height 5½ feet; crown bud taken September 20; cut November 20; slightly tinged with pink; bloom and foliage good; stem a little weak; 90 points.

Nanz & Neuner exhibited Apollo, yellow, 82 points; Miss Elizabeth Fry, pink, 71 points.

Highland Floral Co. exhibited a large pink resembling T. C. Price, 85 points.

E. G. Hill & Co. exhibited Indiana, pink, 89 points.

Henry Rieman exhibited a seedling carnation, Flora Hill, pure white, fragrant, good stem, calyx and foliage, flowers 2½ to 3 inches in diameter.

The chrysanthemum show and sale of plants in the market house wound up last Saturday night. The weather was against it the last part of the week; it rained on Saturday and that was the day the growers counted on to unload the immense amount of chrysanthemum blooms and plants that had been hauled down during the week. Plants sold for 25 cents to \$1 each and fancy cut blooms at 20 to 25 cents each; large quantities went at 25 to 50 cents per dozen. Carnations and roses were slow sale; violets were all cleaned up. This show and sale was under the management of the stand

holders in the market. The Cincinnati Florists' Society expects to make its December 14 meeting the banner one of the year. It will be a carnation meeting, although other plants and cut flowers will be exhibited. Incarnations certificates to be awarded for the best 25 and also for the best 12 red, white, pink, yellow, variegated.

Same varieties cannot be shown in both classes. The object in dividing into two classes is that parties not having 25 blooms can show 12 blooms. We already have letters from several growers in the east in regard to making an exhibit of their seedlings. Mr. Dorner and Mr. Hill will be with us and make exhibits. Mr. Mr. Dorner will read a paper on carnations. We would be pleased to hear from the carnation belt and all carnation growers that have seedlings to put before the public. We extend an invitation to all and hope to see some of the gentlemen present in person. WM. MURPHY.

#### New York.

The event of the week was the exhibition of the New York Florists' Club, of which report appears elsewhere in this issue.

Cut flower trade during the past week has been considerably better than at last report. Prices have not advanced strongly on anything, but the demand seems more steady and as chrysanthemums are shortening up the effect begins to be felt. Violets and yellow chrysanthemums had a good run on the day of the big football game.

Visitors in town: Robt. Kift, Philadelphia, Geo. E. Fancourt, Wilkesbarre, Pa., J. F. Huss, Lenox, Mass., Jas. Comley, Boston, Sam'l Goldring, Albany, B. L. Elliott, Pittsburg, Pa., T. C. Stewart, So. Easton, Pa., E. J. Johnson, F. McCrea, Providence, R. I. and N. D. Pierce, Norwood, R. I.

Mr. Jas. Thyme of Thyme & McCullum, Glasgow, Scotland, arrived here on Sunday, November 17 and sailed again on Saturday, 23.

#### Washington.

Mr. W. R. Smith, who served on the jury of awards at the Atlanta exposition says the exposition seems to be an abridgement of the late World's Fair, and will prove a great benefit to the south. He regrets that ornamental horticulture was left out, while the other branches were fairly represented, especially the California exhibit of fruits and nuts, and the exhibits of apples from Arkansas, which was magnificent.

The florists made their usual annual displays of chrysanthemums at their stores, those of Messrs. J. H. Small & Sons and C. Strauss & Co. being especially elaborate. The latter firm couldn't find vases large enough for 100 of some of the varieties and used barrels.

In the center of Small & Sons' store were two large kentias that reached nearly to the ceiling, their stems twined with asparagus and studded with various colored tiny electric lights. The ceilings and walls were covered with southern smilax, along the south wall was the display of fine cut bloom having a back ground of adiantum, in the center of which was a large mirror framed with galax leaves in bronze and green. In front of this stood a large bunch of fine Beauties. The 14th street window represented a garden with a ground work of adiantum, among which were winding gravel walks and a fountain in play in

the center; vases, filled with 'mums, were placed among the ferns. The background of this window represented a bank of ferns among which were orchid plants in bloom, making one of the finest displays of this flower ever seen here.

REYNOLDS.

#### St. Louis.

The trade is assuming once more a normal aspect. Although chrysanthemums are as yet quite abundant these have ceased to be a factor in depressing prices on other stock in general. Roses are coming to the market in quality greatly improved, the wintry weather being just what is wanted to bring them to their best condition. In local retail circles trade was extremely quiet, the demand in this line being active only in Beauties and violets. In Beauties the supply and quality are uniform, more so than in any other rose section; the long stemmed stock is being absorbed by the local trade at prices ranging from \$2 to \$3 per dozen. Bridesmaid and Brides are good, some of them extra fine. Meteors are decidedly off in color. Perles are selling better, and some very fine stock can be seen. Carnations sell well, and are unsurpassed in quality; the best selling varieties are Daybreak and Wm. Scott. A few Harrisii can be seen and meet with ready sale. There is a brisk demand for orchids (cattleyas) this week. Roman hyacinths and paper white narcissus have not as yet made their appearance. Violets are of fine quality and improving daily. Shipping trade was fairly active the past week, which materially assisted in cleaning up the daily receipts. Monday we had a hail storm, but no damage has been reported as yet; snow is now about two feet deep.

The funeral of the late Frank Beyer, son of Carl Beyer, which occurred on Thursday, November 21, from the residence of his father, was attended by a large delegation from the Florists' and Bowling Clubs, of which he was a member. A floral design sent by the Bowling Club, was a roll of honor, which was made by F. C. Weber, and was a fine piece of work. A wreath of Meteor roses was sent by the Riessen Floral Co.; gates ajar, anchors, wreaths, flat bunches, etc., which covered the grave were sent by his friends.

John W. Kunz of the Jordan Floral Co. has been very sick, but is out again and looking better; he will be with us again now now every Monday night.

At the Melba concert recently several large baskets were handed over the footlights; Sanders & Beneke had the decoration of plants for the stage.

Ayers Floral Co. furnished two of the largest weddings of the season last week.

F. C. Weber, Alex. Waldbart, Luther Armstrong and other west end florists report business brisk in the west end.

Reissen Floral Co. will soon have one of the finest floral establishments in the west under the Planters' Hotel.

The firm of Bucksalt & Berning dissolved by mutual consent. Frank Bucksalt will continue at the old stand, and Henry Berning is now in the employ of E. H. Michel.

Mr. James Colbert of Indianapolis, Ind., was in St. Louis last week on his way to Fort Scott, Kan., to take a position with Alma Patterson. Mr. Colbert was formerly a resident of this city, and made the rounds to see his old friends.

At the Bowling Club's roll Monday night only eight members rolled; the bad weather kept the others away. Those who did come had to walk home in two feet of snow. This roll ended the series of

12 games; the Chinese came out on top with 10,880 to the Japs' 7,797. J. J. Bencke rolled 2,248 in 12 games, being champion, and E. Schray wins the lucky medal for the highest score, 257; both medals were won by the captains of the teams. In the next series of 12 games the teams will stand as follows:

JAPS.	CHINESE.
F. C. Weber, Capt.,	J. G. Kunz, Capt.,
C. Beyer,	C. A. Kuehn,
J. J. Bencke,	C. C. Sanders,
F. J. Fillmore,	Alex. Waldbart,
John Young,	Emil Schray,
Eugene Michel.	D. Helwig.

J. J. B.

## Philadelphia.

The November meeting of the Penna. Horticultural Society November 19 was a surprise to many of the members. It had been advertised to be a sort of experience meeting, where those who wanted information about plants could have their questions answered by experienced men of the trade. The hall in which the meeting was held was crowded to the doors, and out in the passageways the people were standing and some had to go away. The meeting was called to order at 8 p.m. sharp and adjourned at 12:15 a.m. How is this for earnest hard working horticulturists? Does it not break a record?

Messrs. Craig, Lonsdale and Westcott gave practical suggestions about the care of plants, but had considerable difficulty in answering some of the questions. One old lady had a cactus that had not bloomed for three years, but one owned by an aunt of hers blooms regularly every season, and she wanted to know the reason why. Pres. Mears brought down the house with "Why don't you ask your aunt?" Mr. Westcott said it was on account of the pure air of the country; he was a great believer in good fresh air. Almost any kind of plant would grow in the country. He had seen the prettiest plants growing in tomato cans, and it didn't matter much about the surroundings; if one only had pure air they would have success with plants. Mr. Lonsdale said that adiantum would perhaps in time become a good house plant; he had a plant in his dwelling which had been there a long time and was doing well. Both he and Mr. Craig recommended more water than was usually given to plants in the house.

After the experience meeting had adjourned the business of the society was taken up, and continued until 12:15 a.m. The officers for next year were nominated. In addition to those now serving Messrs. J. Westcott and Dr. Gooble were nominated for vice-presidents, and Geo. C. Watson and David Rust are candidates for the offices of secretary and librarian.

Wm. L. Dewar, gardener to Mrs. Chas. Wheeler at Bryn Mawr, was found dead in one of the greenhouses on November 11. His death was caused by apoplexy. Deceased was 58 years old. He was at one time a large exhibitor of chrysanthemums, taking many prizes, cups, etc., at meetings of the Horticultural Society.

Business is quiet, chrysanthemums have not sold nearly as fast as the growers bring them in and in consequence there are many go to waste. Really fine flowers command a fairly good price, selling as high as \$20 per hundred. Very good stock has, however, been offered at \$12 with very few takers. The principal varieties in the market now are Lincoln, Bonaffon, President Smith, Ivory, Golden Wedding, Queen, Dailedouze and Minnie Wanemaker. Robert Craig has a house of well grown Major Bonaffon, this is

certainly a fine variety and as he grows it, very hard to beat.

The weather has been very summery and this has brought all kinds of stock along very rapidly. Roses have been very plentiful and have sold for all sorts of prices and in quantities there has been no reasonable offer refused, \$4 per hundred is the highest price quoted for selected but the good count given generally brings the price down to \$3, which is the figure that most of the stock goes for. Perles, Gontiers and other small roses sell for \$2. The quality is steadily improving, both color and size being better, the new kinds are nearly all off crop although Lonsdale is sending in some fine Morgans. Carnations are very plentiful and sell slowly at from \$1 to \$1.50 for the best, while some of the fancies bring \$3 for small lots. Double violets are commencing to look like something; the best or rather the largest flowers come from the south, mostly from Virginia, they seem to be perfect in all respects except that of fragrance, which is always gone when they are offered for sale in Philadelphia. Surely somebody there is within twelve hours by train of Philadelphia who can furnish this market with good sweet double violets.

W. K. Harris is into a new industry, he can now furnish at any time orange blossoms. He has a large house devoted to the culture of dwarf oranges and as some of the trees are in flower all the time he can fill orders on telegraphic notice. Many of the trees set fruit nicely the past season, this is now coloring up nicely. Mr. Harris has found ready sale for this stock and all good well fruited plants are already sold.

Cyclamens are scarce in this market, none of the growers making a specialty of this beautiful flowering plant. Here is a chance for some enterprising grower. Cyclamens are hard to understand, but when once mastered there is a sure demand for all good stock.

The supply of Christmas greens is likely to be better than ever this season. The reports from the holly districts are that the leaves are greener and the branches better berried than usual. The hot dry summer must have suited this plant.

The bowlers meet once a week at the Westcott alleys where a good time is had every Saturday evening, no wonderful scores are made, as everything is regulation and 200 and over on such alleys requires skillful bowling.

The Gun Club is also very much alive and at a meet last Monday did very good work. Anderson and Reed both made over forty-five out of possible fifty. K.

## Boston.

The general character of the cut flower trade during the past week has not been such as to awaken much enthusiasm among dealers or growers, although the special call for Thanksgiving Day has been as usual good. Thanksgiving is a much observed holiday in this section and can always be depended upon to furnish a good demand for the time being. Outside of this, however, trade is unquestionably dull and the customary advance in prices experienced at this season has not yet put in an appearance. Chrysanthemums are so far reduced in quantity now as to be well under control and their influence on the market henceforth will be but trifling. There is a good supply of carnations and roses, the latter some what poor in quality, on the average, owing to continued warm weather. Violets are in better quality than this market has been accustomed to see here-

fore but prices on them are low. Harrisii lilies are beginning to appear in quantity and very acceptably fill up the gap left in the florists' windows by the departure of the chrysanthemums. Roman hyacinths are again with us but in poor quality as yet. Growers of adiantums and asparagus report an increased demand in their lines. The call for adiantum fronds has been particularly active.

Ernst Asmus passed through on Saturday, 23d inst. on his way to the happy hunting grounds in northeastern Maine.

## Chicago.

This week the market remains much the same; Thanksgiving Day did not bring much extra business, and was very much quieter than in former years. Some of the retailers declare that football has hurt the trade, for years ago men had little to think of on Thanksgiving Day except buying flowers—now they all go to the football game. Retail city trade has been very quiet so far this season; the crop of debutantes is short, hence there are few receptions or at homes.

Prices seem stationary. There are a good many medium grade roses going for \$2 and \$3, selected stock \$4. Some extra high grade Meteors grown by Reinberg Bros. are held at \$5; they are excellent in color and stem. Beauties are scarce, particularly in extra grades; these are from \$3.50 to \$4 a dozen, good ordinary \$2 to \$3. Carnations are \$1.50 per hundred for good long-stemmed, \$2 for fancy. Violets are \$1.50; Harrisii \$1 to \$1.25 a dozen. Chrysanthemums bring from \$1 to \$2 for the best, running down to very low figures for the southern stock. Some fine white and Vivian-Morel bring the best price.

A very serious loss was sustained this week by some of our best known commission men in the burning of the building 34 and 36 Randolph street at an early hour Tuesday morning. The premises rented by the Kennicott Bros. Co., Geo. Klehm and Bassett & Washburn were almost a total wreck, and naturally the damage to property is the smallest part of the loss. The fire occurred about midnight in the midst of a furious storm, and though the firemen worked heroically, all they could do was to confine it to the one building. Coming at this time, just when the commission firms were preparing for heavy shipments, the inconvenience caused was especially trying. The Kennicott Bros. Co. had all their order files destroyed, thus being obliged to trust to memory for filling their orders, and as the telegraph system was totally demoralized by the storm on Tuesday morning, wires being down in all directions, it was impossible to open up communication with their waiting customers. This has been a very serious trouble, and it is a loss that cannot be covered by insurance. In addition to ice-boxes, fittings and florists' supplies they lost a quantity of wire work. Up to Friday morning their safe, containing books, etc., was still in the ruins, but they did not make any stoppage of business whatever. They, in common with Bassett & Washburn and Geo. Klehm, found refuge at 59 Wabash avenue the morning of the fire, and the day following all three firms were settled in commodious quarters on the second floor of 88 Wabash, where they will have permanent quarters.

Bassett & Washburn had the same experience as the foregoing, all the fixtures, etc., being a total loss. But they were fortunate in one respect; the order book had been left on a window, where it had been thoroughly soaked, but otherwise

unharmful, so they were able to keep on filling orders as usual. Naturally they too were hampered by the poor telegraph service. They find it impossible to exactly calculate the loss; they lose a large stock of paper, etc., ice-boxes and fittings, but they had not a great quantity of stock on hand at the time. The excessive inconvenience will cause the greatest loss. The fact that the burnt-out firms were filling orders as usual in their temporary quarters by 8 a. m. Tuesday speaks well for their enterprise.

W. J. Keimel of Riverside suffered a serious loss from Monday night's storm, his two houses being crushed in by the weight of snow. The stock will be a total loss.

#### St. Paul, Minn.

Flowers are abundant and of good quality. The bright weather has brought on the blooms, and also the buyers. Sales have been good. Violets are becoming quite plentiful. Mums are selling well. Am. Beauties are scarce. Carnations are in good demand. Rust is still quite prevalent, though the growers are fighting it bravely. Scott seems entirely free from its attacks. Daybreak is such a vigorous grower that rust does not hurt it badly. L. L. May & Co. are growing quite a large number of the newer varieties. They report Alaska and Storm King as very good whites. Dean Hole, a good yellow, but very rusty. Albertini and Rose Queen are both promising pinks, but are shy bloomers. Lizzie Gilbert is an ideal red, but a poor bloomer. They have fought rust quite successfully with the Bordeaux mixture. Minneapolis florists are using sulphur.

R. C. Sieger has opened a flower stand at 62 East 7th St. Henry Krinke's new store is filled with choice mums and customers are quite numerous.

The Society of Minnesota Florists met at the West Hotel, Minneapolis, on Nov. 17 and elected the following officers: President, Aug. S. Swanson, of St. Paul; Vice-President, J. C. Fleischer, of St. Paul; Secretary, R. Latham, of Minneapolis; Treasurer, E. Nagel, of Minneapolis; Executive Committee, S. D. Dysinger, J. Souden, O. A. Nordquist, of St. Paul.

The "Glass Block" Store, of Minneapolis, disposed of 25,000 cut roses one day recently at 12c per doz. This was a special cut sale. Such business appears ruinous to the trade.

Bouquet green is very scarce this year and but little is to be seen in our market.

The Brooklyn bard, J. Austin Shaw, recently paid us a visit. FELIX.

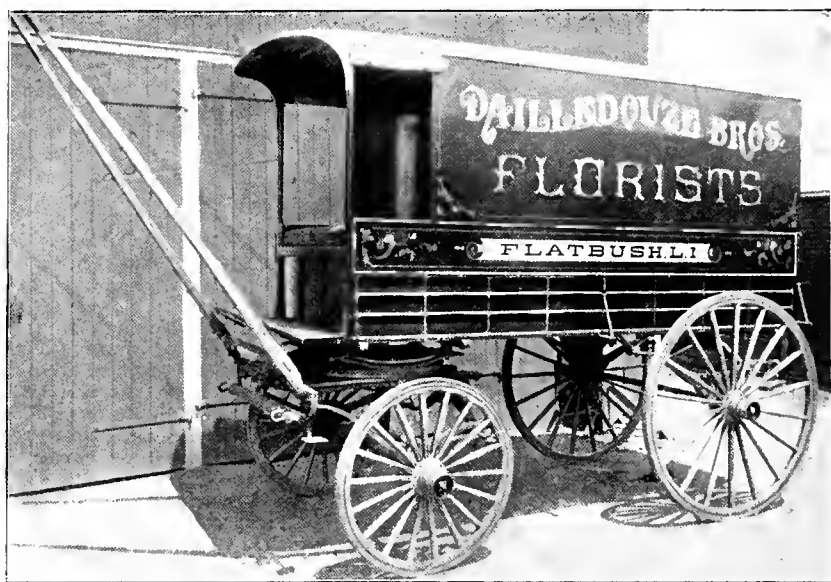
#### Peoria, Ill.

Cole Bros. and the ladies of the Christian Home Mission gave a chrysanthemum show at Rouse's Hall on November 14, 15 and 16. They had some very good cut blooms, and some fairly grown plants; the attendance was very light, and financially not a very glowing success.

Trade this fall has been very dull; except for an occasional wedding or funeral there is but little demand for flowers of any kind. Mums are a glut, and sell very slowly and at small prices.

J. C. Murray has two houses of carnations that are looking very fine, and will be in full crop for the holidays. His roses are also looking well. He is cutting some very fine mums from his house built this summer.

Cole Bros. have made a specialty of mums and grow a very large stock of them, and have had some well grown plants and cut flowers at their store for



GROWER'S DELIVERY WAGON FOR CUT FLOWERS.

the last month. Work on the greenhouses and conservatory of Glen Oak Park is progressing very satisfactorily, and if the weather remains fair the propagating houses will be under glass in a few days, they are also doing a great deal of tree planting, and in a short time we will have one of the prettiest parks in the state.

Mrs. May Cole of 413 Main street is very sick with typhoid malaria. O.

#### Grower's Delivery Wagon.

The accompanying engraving shows the delivery wagon of Dailedouze Bros., Flatbush, N. Y., used for carrying cut flowers to the New York market. It holds 20 boxes, each 4 feet long, 20 inches wide and 10 inches deep.

#### Indianapolis.

The financial results of the Indianapolis show were not as good as first expected; instead of a surplus, a considerable shortage came up. The paid admissions were as follows:

Tuesday	(evening)	202
Wednesday	(day)	587
"	(evening)	357
Thursday	(day)	1,647
"	(evening)	620
Friday	(day, rain)	400
"	(evening)	110

Total 3,923.

Saturday auction, 10 cents admission, 400.

The night of November 25 will long be remembered as the stormiest ever experienced in this neighborhood, many florists are relating their experiences in losing glass, blowing away of sash and other troubles; also much bother from the heavy rain. No very serious damage however is reported; this is very fortunate under the circumstances.

The chrysanthemum season is keeping up in full blast. Thanksgiving will we hope finish them up. W. B.

#### Milwaukee.

Business the past week has been a very quiet one for the florists, which is unusually the case preceding a holiday, but continual bad weather was the principal

cause. Roses are received in fair quantities, the flowers being good sized but inclined to be weak stemmed and soft. Carnations are scarce, especially good sorts. Some very fine violets are seen in this market this season. The outlook for Thanksgiving business is good.

Geo. Bliss, formerly with Currie Bros., has opened a store at corner of Broadway and Wisconsin streets.

C. C. Pollworth, of Ellis & Pollsworth, is back at his post again after a two months business trip through the north and west and reports business good.

INCOC.

#### Foreign Notes.

Pilea Spruceana, recently introduced by Hugh Low & Co., is described as a dwarf herbaceous plant having shiny dark green leaves, purple underneath. The light green flowers are in flat-topped terminal cymes. It is a native of Peru and Venezuela. If as useful as its relative, the common artillery plant, it should be of value for its dark foliage.

A new fern, which is said to possess remarkable decorative value, is Davallia Truffautiana. It has not yet appeared in commerce.

Dendrobium Phalaenopsis hololeuca is said to be the first pure white variety of this type to appear. It was recently exhibited before the Royal Horticultural Society, receiving a first-class certificate. Of other varieties in which white predominates D. Phalaenopsis albo-purpurea is described as very beautiful; the flowers are white, with deep purple markings on the lip. D. Phalaenopsis Rothschildiana is white faintly flushed with pink.

OAKLAND, CAL.—Mr. H. M. Sanborn seems to be continually extending his business, which has always been the leading one here. Mr. Sanborn was with Mr. James Hutchison, the pioneer florist of Oakland, from 1869 up to the time of his death, February 13, 1891, when he became a partner of Mr. Hutchison's widow (Mr. Sanborn's sister) under the firm name of Hutchison & Sanborn. This partnership continued up to January 1, 1895, when Mr. Sanborn purchased his partner's interest and became sole proprietor.

**MACOMB, ILL.**—The chrysanthemum show was very successful. The plants and decorations were supplied by florist S. T. Danley, and were much praised by the local press.

**CHAMPAIGN, ILL.**—The chrysanthemum show given by florist Thos. Franks at the Walker opera house was warmly commended by the local press.

**ADRIAN, MICH.**—The annual meeting of the Michigan State Hort. Society will be held here December 3 to 5.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

**SITUATION WANTED**—A young man of 21 would like a position in a greenhouse to learn the business. Address GREENHOUSE, Portland, Me.

**SITUATION WANTED**—Well up in growing of roses, carnations, decorative plants, etc.; 16 years' experience. Good references. C. care Am. Florist.

**SITUATION WANTED**—By experienced florist competent of taking charge of store. Best of references. 15 years' experience. B. care Am. Florist.

**SITUATION WANTED**—By competent florist, age 33, single, 15 years' experience; has a fair knowledge of bookkeeping. Address G C AM. FLORIST.

**SITUATION WANTED**—By practical florist; single, age 39, honest, sober; not afraid to work. Best of references. Address H. P. RAMM, 147 Bank St., Batavia N. Y.

**SITUATION WANTED**—As gardener in private family; 20 years' experience; single; age 40. First-class references. Address E. H. CANTER, Sec'y T. G. and F. A., 280 Gerrard St., Toronto, Ont.

**SITUATION WANTED**—To take charge by a single man; first-class grower of roses, carnations, mums, decorative plants, etc. Good floral worker. Good references. Address FLORIST, 1623 Chestnut St., St. Louis Mo.

**SITUATION WANTED**—By well experience florist and gardener; German; forcing roses, etc., bedding stuff, decorative plants, landscape gardening. Chicago preferred. Best references given. Address VON HONEYER, care American Florist.

**SITUATION WANTED**—By a thoroughly practical man as foreman. Can show the very best of work in growing of roses, violets, carnations, mums, ferns; 14 years' experience in this country and England; married, no children. A R. care Am. Florist.

**SITUATION WANTED**—As foreman by first-class man, on large commercial place; thoroughly competent in every branch; life experience, in Europe and this country; single, age 31; total abstainer. Apply with particulars to J W L. care American Florist.

**SITUATION WANTED**—A thorough, competent florist with a small family, wants to correspond with party wishing to employ a grower of roses, carnations, chrysanthemums for wholesale or retail trade, by Feb. or March 1st. Eastern States or Canada. Address EASTERN GROWER, care American Florist.

**SITUATION WANTED**—By a competent florist and gardener, on large private place; can show first-class work in growing decorative and bedding plants, vegetables under glass, taking care of prime fruit and ornamental trees and shrubbery; 20 years' experience in this country, England, Germany and France; married. Address T 37, care American Florist.

**WANTED**—Three good, A No. 1 plant packers. ROSE HILL NURSERIES, New Rochelle, N. Y.

**WANTED**—Immediately, first-class grower to take charge of commercial place. Must be up in roses, carnations, chrysanthemums, palms and ferns. CUREY & Co., 800 Church St., Nashville, Tenn.

**WANTED**—An experienced man to take an interest in a well established seed and plant business, one of the largest in the South. Capital required from \$3,000 to \$5,000, in cash. For particulars, apply to SOUTH, care American Florist, Chicago.

**FOR SALE**—Chicago greenhouses, two blocks from electric cars, six houses 10x20, stocked with fine roses; two houses 10x100 with mums. Sickness the cause of selling. Price \$1,000, \$1,000 cash, balance 5% years, payments semi-annually. Address AUG. SCHEMEL, Station X, Chicago.

**FOR SALE**—Fortune for live florist with small capital. Write me and I will prove it. Address NEW YORK, care Am. Florist, Chicago.

**FOR SALE**—A paying florist store with greenhouses attached, in northwestern part of Philadelphia. Reason for selling, other interests. Address W H S, 2249 N. 25th St., Philadelphia.

**FOR SALE**—Old established florist business in good condition, 700 feet of glass, 4 acres land, well stocked with roses, carnations, violets, and general stock, in eastern Connecticut. Would like to go into other business. For particulars address E & H, care American Florist, Chicago.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



## Wisconsin Flower Exchange, CUT FLOWERS, PALMS, FERNS,

Wild Smilax, Evergreen, Cut Ferns, Pines and Holly.

We are prepared to make you very satisfactory terms on the above, which are now ready; also on

**SHEEP MANURE, MOSS, WILLOW PLATEAUS  
AND BAMBOO EASELS.**

P. O. Box 87.

MILWAUKEE, WIS.

## .... REMEMBER THE COTTAGE GARDENS, Queens, L. I., N. Y.

Make a specialty of growing large quantities of

**NEW CARNATIONS,  
NEW CANNAS,  
NEW GERANIUMS,**

As well as the best tested Standard Commercial sorts especially for propagating young stock for COMMERCIAL FLORISTS.

ANY FLORIST can have our December Trade List by sending us his name and address.

Give us a Trial Order.

C. W. WARD, Manager.

## Ground Pine Garland.

A limited stock of our own make—round. Of greenest Green, and fresh. Wire bound on green cord. Medium heft. 5-yard pieces. Sure to please.

100 YARDS OR UNDER.....PER 100 YARDS, \$7.50

100 TO 500 YARDS IN ONE ORDER..... " " 7.00

UPWARDS OF 500 YARDS..... " " 6.00

Terms Cash.

**DAN'L B. LONG, Buffalo, N. Y.**

## MUSHROOMS

The Money Making Crop.

"Watson's Little Book on Mushroom Culture," 21 pp. 10c. Free with orders on request. "W. P." Brand MUSHROOM SPAWN Always reliable. Fresh and well-spawned. Third consignment of season to hand and can fill orders on short notice. G. C. WATSON, 43 N. 10th St., PHILA., PA.

## DON'T

Fail to bear us in mind when in need of

**HOLLY (Get There brand)  
WILD SMILAX  
MISTLETOE  
CAPE FLOWERS  
IMMORTELLES  
RATTAN**

And in fact everything you need in the way of store and greenhouse supplies. We have no desire, as the boys say, "To throw Bouquets at ourselves," but would mention that the qualities we offer are **THE BEST**, and **OUR PRICES MADE FOR THE TIMES.**

## VAUGHAN'S SEED STORE,

New York:

CHICAGO:

26 Barclay St.

84 & 86 Randolph St.

## CANNAS WANTED.

Dry roots of Egandale, J. D. Cabos, Florence Vaughan and Capt. Suzzoni, in exchange for best named Hyacinths, at the rate of two hyacinths for one canna. Address

SURPLUS, care American Florist.

Mention the American Florist when writing to advertisers on this page.

## PALM SEEDS

VERY IMPORTANT: WE REPLACE ALL PALM SEEDS NON-GERMINATING.

PHOENIX CANARIENSIS	100 1000	\$50 \$3.00
" TENUIS	60	4.00
" RECLINATA	100	7.50
WASHINGTONIA ROBUSTA	25	1.50
BRAHEA FILIFERA, \$1.00 per lb.		
JUBAEA SPECTABILIS, the hardiest Palm of South America	1.25	10.00
ACROCOMIA TOHAIY, new, beautiful.	1.75	15.00
CORYPHA AUSTRALIS	75	5.00
DRACAENA AUSTRALIS	40	3.00
" NUTANS	60	5.00
" INDIVISA	25	1.50
" BAURI	50	4.50

Chas. Schwake, 404 E. 34th St., New York.

Mention American Florist.

## Here's Your Chance,

As we must have room. We have a BIG STOCK of GERANIUMS on hand and must be sold.

Named Varieties . . . . . \$15.00 per 1000  
Rose Geraniums . . . . . 20.00 per 1000  
Mme. Salleron Geraniums . . . . . 15.00 per 1000

All grown in flats in fine condition. Selection of sorts to remain with us. CASH WITH ORDER.

J. E. FELTHOUSEN, Schenectady, N. Y.  
Mention American Florist.

## DOUBLE PETUNIAS.

In 10 varieties, \$1.25 per 1000 by mail. Orders booked now for Rooted VERBENA CUTTINGS, \$5.50 per 1000, express prepaid.

C. HUMFELD, Clay Center, Kan.



**THE AMERICAN FLORIST**

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure  
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

**Chrysanthemum Major Bonnaillon.**

I cannot understand how I came to omit this valuable variety from the brief list of 'mums noted on November 11, for it is certainly a *leader*. This variety first made its appearance in public, so far as I can learn, at Chicago during the progress of the World's Fair chrysanthemum show in November, 1893, and it commanded instant recognition, and it still remains in the very front rank. It has been the best yellow in Philadelphia in the cut flower market for the past tendays. Robert Craig has one whole house full of it. It is one of Fred Dorner's seedlings.

A very notable variety was examined by the committee of the Chrysanthemum Society of America in Philadelphia last Saturday. It is called Liberty, and is owned by Robert Craig. It scored 98 points out of a possible 100. It dropped two points on petalage. E. L.

**The New York Committee.**

At the meeting of the chrysanthemum committee November 23 opinion was passed on five varieties, all of which were recommended for certificates. Two were exhibited by T. H. Spaulding, Invincible and New York. The first received 85 points; it is a Japanese cream suffused with flesh pink, and was recommended for exhibition only. New York is an incurved Japanese; it received 90 points. It is cream white with a faint tinge of flesh white, changing to pearl white when fully open. Nathan Smith & Son showed two sorts, both Japanese incurved, Violescent, white suffused cream, lower petals tinged lavender, and Western King, pearl white. Both varieties received 85 points. J. Condon, Brooklyn, N. Y., exhibited Lorna Doone, a clear white Japanese, which received 90 points.

CALVERT VAUX, the distinguished landscape architect, was accidentally drowned in Gravesend Bay, Long Island, November 20. He was a native of England, and was 70 years old, having been in this country some forty-five years. His distinguished career is too well known to need recapitulation here; his magnificent work on Central Park will always keep his memory green.

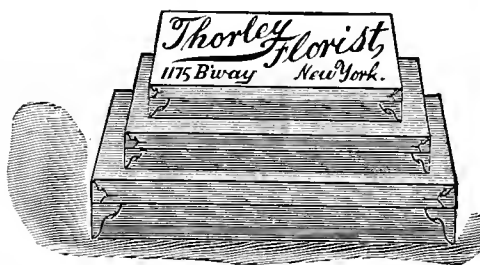
THE New York firm of Vanhorne, Griffen & Co. have been made selling agents for the Chambers & McKee glass lately handled by D. H. Roberts.

**A. & F. RÖLKER,  
Down-town Wholesale Florists,**

106 &amp; 108 Liberty Street (Basement).

**NEW YORK.**

Mention American Florist.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**NEW YORK SALESROOM:  
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

**GROUND PINE or BOUQUET GREEN.**

A limited supply of Middle States Green. Good quality. Loose packed in sacks. Moderate prices.

**DAN'L B. LONG, BUFFALO, N. Y.**

**W. ELLISON,  
WHOLESALE  
Cut Flowers & Florists' Supplies**  
WIRE DESIGNS.  
1402 PINE STREET,  
—St. Louis, Mo.

**C. A. KUEHN,  
(Successor to ELLISON & KUEHN.)  
Wholesale Florist,  
1122 PINE STREET,  
—ST. LOUIS, MO.**

A complete line of Wire Designs.

**To Exchange.**

NAMED HYACINTH BULBS FOR CANNAS,  
J. D. Cabos, Florence Vaughan and  
Alphonse Bouvier; good roots.

Address SURPLUS, care Am. Florist.

**H. L. SUNDERBRUCH,  
Wholesale Florist  
4TH AND WALNUT STREETS,  
Cincinnati, O.**

**The Boston Flower Market**

is prepared to purchase, on order, and  
ship Trade orders for Cut Flowers at  
prices ruling in the market on day of  
sale. TERMS STRICTLY CASH.

Address WM. J. KENNEDY, Mgr.,  
Flower Market, Park St., BOSTON, MASS.  
Long Distance Telephone "Haymarket 638."

**Cut Smilax**  
15 CENTS PER STRING.  
THE NATIONAL PLANT CO.  
CASH. DAYTON, OHIO.

**DAN'L B. LONG,  
FLOWERS AT WHOLESALE.**  
Strictly Commission Business.

SUPPLIES, ETC.  
LISTS FREE. BUFFALO, N. Y.

**SAMUEL S. PENNOCK,  
Wholesale Florist**

1612 & 1614 BARKER STREET,  
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Folding Flower Boxes are the best  
and most convenient ever put upon  
the market. They are made from  
board, manufactured especially for  
these goods, and made so as to resist  
moisture, thereby keeping the flow-  
ers fresh, and the box holding its  
shape.

**THE NEW YORK  
CUT FLOWER CO.,**  
119 and 121 W. 23rd St., and  
112 and 114 W. 24th Street,  
**IS NOW  
OPEN FOR BUSINESS.**  
*The Largest Dealers in*  
**CUT FLOWERS  
IN THE WORLD.**

Handling flowers of all kinds in quantity  
we are in a position to fill shipping orders  
promptly. We shall give careful attention  
to this branch of the business, and solicit  
your patronage.

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Wholesale and Commission  
**FLORISTS,**  
LAKE ST. AND WABASH AVE.,  
(South East Corner),  
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**Asparagus Plumosus Nanus.**  
Cut Strings, 8 to 10 feet long,  
**50 CENTS.**

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WHOLESALE CUT FLOWERS,**  
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Growers and Wholesale Dealers in  
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Order Direct from Growers.

Send for price list. KALAMAZOO, MICH.

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SEEDS, BULBS AND ALL  
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59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

We are now prepared to furnish Florists' Wire Designs and a full line of Florists' Supplies.

WRITE US FOR OUR ILLUSTRATED CATALOGUE.

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Consignments solicited. Prompt attention to all orders.

## Wholesale Markets.

### Cut Flowers.

NEW YORK, Nov. 26.	
Roses, Bridesmaid, Bride, Cusin, Watteville	1.00@3.00
" Meteor, Testout, Kaiserlin	1.00@5.00
" Beauty, culls	1.50@5.00
" extra grades	10.00@35.00
Carnations, ordinary	35@50
" fancy	50@1.10
Valley	4.00@5.00
Chrysanthemums	1.00@3.00
" fancy	5.00@12.00
Violets	5.00@1.00
Harrisli	6.00@8.00
Romans	.75@1.00
Adiantum	35.00@50.00
Asparagus	BOSTON, Nov. 26.
Roses, general list	2.00@4.00
" Beauty	5.00@25.00
Carnations	1.00@1.50
Valley	3.00@4.00
Chrysanthemums	2.00@10.00
Violets	35@1.00
Harrisli	10.00@12.00
Romans	2.00@3.00
Adiantum	.75@1.00
Smilax	10.00@15.00
Asparagus	Nov. 26.
Roses, Beauties, selected	20.00@25.00
" medium	10.00@15.00
" best selected teas	3.00@4.00
" seconds and small stock	2.00@3.00
" Morgans and extra select teas	1.00@6.50
Carnations, general stock	1.50@3.00
" selected and choice kinds	2.00@25.00
Chrysanthemums, choice specimen blooms	12.00@15.00
" good medium flowers	2.00@4.00
" small stock	2.00@4.00
Mignonette	4.00@6.00
Violets, single per hundred bunches	.50@1.00
" double	1.00
Adiantum	12.00@20.00
Smilax	50.00@75.00
Asparagus	CHICAGO, Nov. 26.
Roses, Beauties long	15.00@35.00
" short medium	8.00@12.00
" large teas	2.00@3.00
" select shipping stock	4.00
" Meteors, extra	5.00
Carnations	1.00@1.50
" fancy	2.00
Valley	5.00
Violets	1.00@1.50
Harrisli	8.00@10.00
Smilax	12.00@15.00
Chrysanthemums, select...per doz.	1.00@2.00
ST. LOUIS, Nov. 27.	
Roses, select stock	4.00@6.00
" ordinary	2.00@3.00
" Beauties long	10.00@25.00
" short	6.00@8.00
Carnations fancy	1.50@2.00
" ordinary	1.00
Valley	4.00
Violets single	.25
" double	.50
Smilax	15.00@18.00
Asparagus	4.00@20.00
Chrysanthemums	.75@1.00
Adiantum	1.00
Ferns, fancy	1.75

## GEORGE A. SUTHERLAND,

Successor to PECK & SUTHERLAND,

Successors to WM. J. STEWART.

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New England Agent for the GREAT ANTIPEST.

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JOEBERS IN  
FLORISTS'  
SUPPLIES,  
FLORISTS'  
VASES.

METS,  
BRIDES,  
GONTIERS,  
CARNATIONS,  
ALWAYS ON HAND.

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HORTICULTURAL AUCTIONEERS.

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NO. 2 BEACON STREET,

Near Tremont St.,

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SPECIAL EXTRA STOCK OF  
AM. BEAUTY, METEOR,  
BRIDESMAID, BRIDE.

DISBUDDED CARNATIONS.  
FANCY GRADE.

CATTLEYA LABIATA, splendid blooms.

## THOS. YOUNG, Jr. Cut Flowers,

WHOLESALE,

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## WALTER F. SHERIDAN, WHOLESALE FLORIST

32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application.

## Edward C. Horan, 34 W. 29th Street, NEW YORK, WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.  
Price list on application.

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## JOHN YOUNG, FINE ROSES WHOLESALE,

51 West 28th St., NEW YORK.

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WHOLESALE, COMMISSION,

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## The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.  
S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 1st Cham-  
bers St., New York, Sec'y and Treas.

VISITED CHICAGO: S. Y. Haines, Wm.  
F. A. Kendel.

MR. J. COMONT sailed for London the  
20th on the St. Louis.

VISITED CHICAGO: J. M. Kimberlin, J.  
T. Huntington, T. V. Page.

IN NEW YORK: Mr. J. H. Brazendale,  
representing Thos. S. Ware.

LILY OF THE VALLEY proves to be even  
scarcer than first anticipated.

TUBEROSE BULBS of first size will be  
scarce owing to drought in the growing  
district during September and October.

VALUES of all seeds seem low with a  
tendency to accept any reasonable offers;  
but it is hard to force the business even by  
bargains, where there is no disposition to  
trade.

MR. AUG. J. A. RHOTERT, representa-  
tive in New York of the Paris house of  
Vilmorin-Andrieux & Co., was married  
November 26 to Miss Carolina S.  
Spreckelsen.

MR. F. H. EBELING, the seedsman of  
Syracuse, N. Y., celebrated his crystal  
wedding November 4, the invited guests  
being his employees and their wives, as a  
token of his appreciation of their faithful  
service during his serious illness.

A REUNION of the present and many of  
the past employees of Joseph Breck &  
Sons, Boston, to the number of 200 held  
their first annual reunion. The gathering  
was a great success, and will undoubtedly  
serve as a precedent for ensuing years.  
When it is remembered that the firm dates  
back to 1822, it may be conjectured that  
all of the past employees could not enjoy  
the festivities, but there was noticed  
among the many happy faces the venerable  
N. P. H. Willis, whose services to the  
firm extended over a period of more than  
60 years. The officers of the corporation  
graced the occasion by their presence.  
After a short reception, where old  
acquaintances were renewed and old  
times talked over, a most delightful  
musical entertainment was given. After  
this dancing was in order and lasted  
until after midnight. The hall was beau-  
tifully decorated with flowers, sent by  
many prominent florists throughout the  
city, who for years have done business  
with this firm. Among the guests were  
Hon. C. H. B. Breck, president of the cor-  
poration, and wife; Sec'y J. F. Breck and  
wife, general manager E. O. Hatch and  
wife, Treasurer C. H. Breck and wife,  
manager A. Smith and wife.

## No Family Gossip Allowed.

Teacher: "Emma, what do you know  
of the orchid family?"

Emma: "If you please, mamma has  
forbidden us to indulge in any family  
gossip."—*Daily Press*.

## Household Note.

"I wish them things wasn't so high-priced,"  
said Mrs. Jason, as she looked longingly at some  
chrysanthemums. "I think I'll raise some next  
year myself. They ought to be just lovely to  
sprinkle clothes with."—*Indianapolis Journal*.

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RIST when writing to advertisers.

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in A1 Condition.  
PROFITABLE AT THE PRICE.

	Per 100	Per 1000
Hyacinths, 1st size, named.....	\$4.00	\$40.00
" 2nd size, named.....	3.00	30.00
" single, separate colors.....	2.00	20.00
" Roman white, 11 to 12 cms.....	1.50	15.00
" " blue.....	1.00	8.00
" Dutch, blue.....	3.00	30.00
" " red.....	9.00	90.00
Lil. Candidum, strong.....	20.00	200.00
Lil. Harriah, 7 to 9 inch.....	5.00	50.00
Lil. Longiflorum (Japan), 7 to 9 inch.....	3.75	35.00
Lil. Auratum, 7 to 9 inch.....	5.00	50.00

TULIPS, 15 good varieties, at prices that will  
pay you to grow them. List on appli-  
cation. Per 100 Per 1000

Narcissus, Chinese (New York \$40.00).....	\$5.00	\$45.00
" Double Roman.....	.65	5.00
Black Callas.....	\$6.00, \$7.00 and 8.00	
Dielytra Spectabilis (Bleeding Heart).....	5.00	45.00
Splaea Japonica.....	5.00	
H. P. Roses, dormant, first-class stock, (ready soon.)		
Clematis, assorted (ready soon.)		
Clematis ready.		

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H. P. LOW BUDDED.  
LILAC CHARLES X.  
MARIE LAGRAYE,  
pot-grown, full of buds.

Deutzia gracilis, pot-grown and others.  
Clematis, Kalmia, Rhododendron, Tree  
Pæonies.

HEATHS (Erica gracilis), \$35 per 100  
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RUTHERFORD, N. J.

We are now offering a fine lot of  
DRACÆNAS

in the best sizes and varieties, at very  
low prices. List on application.

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## SPECIALTIES

IN BEST VARIETIES.  
ROSES, from 3-inch pots.  
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SMILAX.

Prices low. Send for list.  
WOOD BROTHERS, FISHKILL, N. Y.

MUMS, strong, stock clumps.

THE QUEEN & L. B. BIRD, \$1 per doz.  
FLOWERING BEGONIAS, in var., 4 & 5-in.  
pots, \$3.00 per 100.

Lettuce (forcing), cold-frame, by mail, \$1.00  
for 300. Cash with order for above bargains.

R. A. MCPHERON, LITCHFIELD, ILL.

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in some of the best and current species low: Adi-  
antum, Alsophila, Aspidium (Cyrtomium), Bal-  
antium, Blechnum, Lomaria, Nephrolepis, Poly-  
podium and Pteris. A portion 1 mark.

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H. HERBST, Wandsbek, Hamburg, Germany.

PANSIES.  
THE JENNINGS STRAIN OF FINEST  
AMERICAN CROWN PANSIES.

Small plants by mail 60c per 100; express \$5 per 1000.  
Seed of above strain \$1.00 per pkt. of 2500 seeds. Cash  
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Lock Box 254, Southport, Conn.

## SURPLUS BULBS.

Special prices as long as unsold.

	Per 1000
TULIPS, single early, mixed.....	\$ 3.00
" Double early, mixed.....	3.25
" Parrot, mixed.....	5.50
" Canary Bird.....	12.00
" Gesneriana.....	4.00

HYACINTHS, separate colors..... 22.00  
NARCISSUS Paper White..... 7.00

" Pallidus Præcox..... 35.00  
" Polyanthus, mixed..... 10.00  
" Scoticus..... 12.00

JONQUILS, single sweet-scented..... 3.00

IXIAS, mixed..... 3.00

ANEMONE, mixed, single..... 3.00

CHINESE SACRED LILIES (Chinese  
grown)..... 42.00

IRIS KÖMPFERI, named sorts..... 50.00

GLADIOLUS Colvillei "The Bride"..... 4.00

SPIRÆA Compacta multiflora..... 40.00

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Fruit Tree Stocks, Ornamental Trees,  
Shrubs, Evergreens, Roses, Etc.

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P. SEBIRE & SONS,

USSY, (Calvados), FRANCE,  
will be mailed on application to their sole  
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300 Acres in Nursery. 1 Acre of Glass.

## Specialties for Florists.

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Cardenias, bushy, 15 to 18 inches.....	\$12.00
Grevillea, 12-18 and 24 inches.....	\$6.00, \$8.00, & 15.00
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Camphor, 12-18 & 36-40 inches.....	\$8.00 & 25.00
Cuava Red Cattley, 15-20 inches.....	12.00
Magnolia Fuscata, 8, 15 & 20 in.....	\$15, \$15 & 25.00
Olea Fragrans, 6, 10 & 20-15 in.....	\$8, \$12 & 20.00
Oranges & Lemons, grafted on dwarf stock, blooming size, stocky, 10-12 & 15-18 in.....	\$25 & 40.00
Otaheite Orange, bushy, 10 & 12-15 in.....	\$8 & 15.00

Stock of above all pot-grown, ready now to ship,  
and in best possible condition.

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budded; Fruit and Ornamental Trees, Rare Con-  
ifers, etc. Send for Trade List and Descriptive  
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## The Great WORLD'S FAIR Success.

"Lemoine's Hybrids are the chief glory."

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Nanceianus.

(150 first-class named varieties offered at low prices.)

The best new Forcing Shrub

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Apply to V. LEMOINE & SON, Nancy, France.

New plants a specialty. Catalogues free.

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Three-Piece Wood Mailing Boxes.

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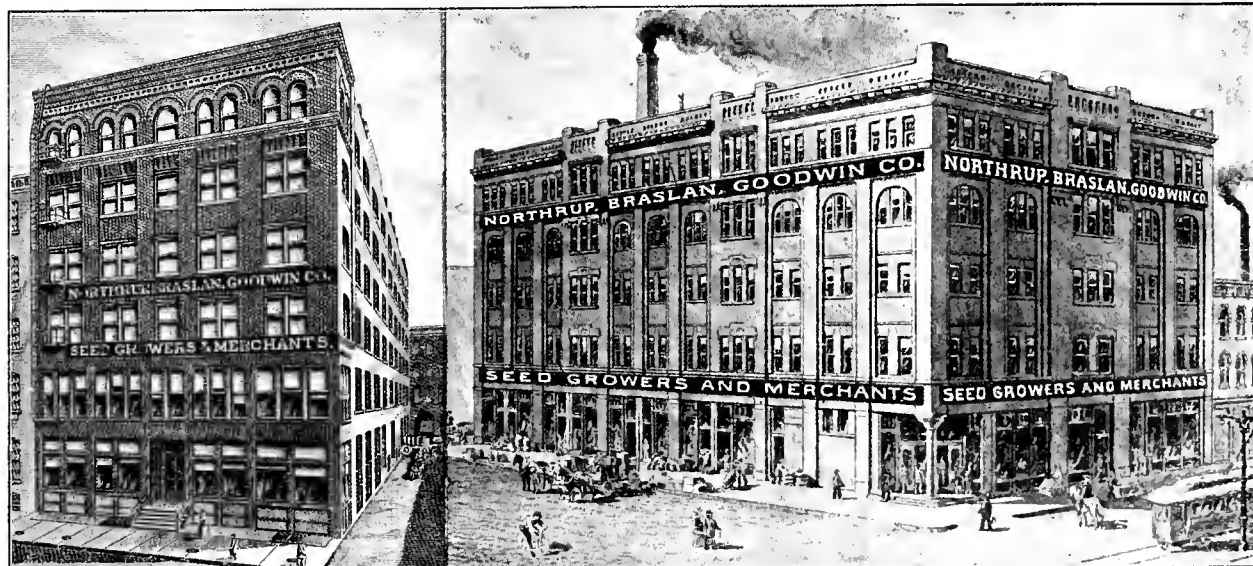
Send 15 cents in stamps for sample nest.

We also make Cut Flower and Express Boxes.

Thin Lumber sawed to order for packing.

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Being **GROWERS** we are in a position to supply **Seeds of first-class quality** and to make **specially low prices**.

A trial will convince those who have not yet found this out.

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20 TO 28  
HENNEPIN AVENUE, Minneapolis, Minn.

55, 57 & 59  
NO. JEFFERSON STREET, CHICAGO.

### XMAS.

VERMONT GREEN, per bbl. \$2.50. Now ready.

HOLLY (Genuine Delaware), green leaves, well berried. Ready Dec 10th.

MISTLETOE, by weight or case. Ready Dec. 10th.

SHEET MOSS (for Decorating), per bag \$1.50

Estimates furnished for larger quantities.

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Near Long Island Ferry, NEW YORK.

1,500 TUBEROSES, 3-4 inches, for \$4.50.

CALADIUM ESCULENTUM, Per 100

3-4 inches . . . . . \$5 00

4-5 inches . . . . . 7 00

5-6 inches . . . . . 9 00

C. H. JOOSTEN, 36 Dey Street, New York.

### WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus

AND

LILIUM HARRISII.

Special low prices on application.

WEEBER & DON,

Seed Merchants and Growers,

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### TO CLEAR OUT STOCK

WE OFFER UNTIL SOLD

HYACINTHS, Per 1000

Mixed, single, bedding, good size . . . . . \$14 00

forcing, in 3 colors . . . . . 17 00

Named, single, . . . . . standard sorts. . . . . 25 00

White Roman, . . . . . 11-12 centimeters . . . . . 12 50

Bush white Roman 13-17 " . . . . . 15 00

Double rosy " 12-13 " . . . . . 13 00

Blue " 12-13 " . . . . . 15 00

Lil. Longiflorum, 6 to 8 in. cir., true stock. . . . . 25 00

Single Begonias, in separate colors, now ready.

STRICTLY CASH WITH ORDER.

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WE ARE HEADQUARTERS ON  
BULBS FOR FORCING,  
FLOWER SEEDS FOR FLORISTS  
ENGLISH MUSHROOM SPAWN.

Special prices on application.

JOHN GARDINER & CO., Seedsmen,  
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HYACINTHS, TULIPS, CRO-  
CUS, NARCISSUS,

AND A GENERAL LINE. FINE STOCK.

WRITE FOR PRICES.

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They are the best at the

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SALES EVERY TUESDAY AND FRIDAY  
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NOVELTIES A SPECIALTY.

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Original and largest growers of this important bulb.

OUR SPECIALTY.

True Stock. Lowest Prices. Best Quality.

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WE HAVE SOME EXTRA FINE PLANTS

TO OFFER AS FOLLOWS:

5-inch pots. . . . . \$1.00 each

6-inch pots. . . . . 2.00 each

7-inch pots. . . . . 3.00 each

F. DORNER & SON,

CASH WITH ORDER. La Fayette, Ind.

When you write an  
advertiser please state  
that you saw the adv.  
in the FLORIST.



## Omaha.

Business is slightly on the increase, although not as heavy as expected. The early chrysanthemums are about gone and the better varieties are a little late. The early crop was not as good this year as heretofore, but the later ones are in good condition. The demand for plants is not as heavy as expected and is for the cheaper stock at that, from 30 to 60 cents. The demand for cut blooms is fair, bringing from 75 cents to \$2 per dozen.

S. B. Stewart reports a chrysanthemum wedding for last week.

Plenty of roses and carnations to supply the demand. The Bridesmaid is becoming very popular with our buyers. J. F. Wilcox of Council Bluffs, Iowa, has one house entirely for them and is well pleased with the cut. Cosmos has been rather plentiful, although a little soft; slow sales at 10 cents per dozen. Violets are coming in with several of the growers and are bringing 50 cents wholesale. One of our florists reports a luncheon for the fore part of the week with decorations of Meteors with a large bunch of purple violets on each cover.

W. R. Roach, with Jerome B. Rice & Co., Cambridge, N. Y., spent the early part of last week here. A. L. Vaughan, with J. C. Vaughan, Chicago, was a pleasant caller a few days ago. Mr. C. C. Pollworth of the firm of Ellis & Pollworth, Milwaukee, Wis., dropped in on his initial trip in the west a few days ago. James O'Neill, with D. Landreth & Sons, Philadelphia, was another recent caller.

J. R. McPherson of Council Bluffs is cutting some of the finest Beauties to be seen upon the market.

Samuel R. Faulkner is contemplating opening a down-town store, but has not decided on a location as yet.

Robert Furth, who has been foreman over the plant department of J. F. Wilcox of Council Bluffs for a number of years past, has accepted a like position with Wm. Clark of Colorado Springs, Col. Sickness in Mr. Furth's family compelled him to seek other climes.

A well-known florist recently had the following experience with a liberal patron. A prominent professional man decided to give a series of dinners with floral decorations. He interviewed a well-known florist and laid before him his stupendous plans. The date came and the order also, but not until the morning of the day on which the swell affair was to occur. He is useless to say it required no preparations. Here is the first order as it came: One-half dozen La France, a 4-inch fern plant, a boutonniere, three Mermets and a string of smilax. One week later a second dinner called for one-half dozen Brides, three white carnations and a boutonniere made of a carnation, instead of smilax the cut ferns from plant bought the previous week were used. The third dinner called for a dozen cosmos and a few ferns. The fourth dinner has not yet occurred, but the florist no doubt is anxiously awaiting its coming.

G. R. H.

## STOCK PLANTS

## CHRYSANTHEMUMS.

Per doz. Per 100  
**MME. F. BERGMANN**.....\$2.50 \$15.00  
**MARION HENDERSON**.....3.50 25.00  
 Now Ready.

NATHAN SMITH &amp; SON, Adrian, Mich.

Mention the American Florist when writing to advertisers on this page.

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
 500,000 Pot Roses, Teas, China, Bourbon, etc.  
 Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

## ONE THOUSAND CAR LOTS of OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
 150,000 Pear, standard and dwarf.  
 100,000 Plum, best European and Japan.  
 75,000 Cherry, Morellos, Hearts, etc.  
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100,000 Nut bearing trees.  
 2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR. 1000 ACRES. 29 GREENHOUSES.

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## THE WHITE CANNA CAN NOW BE SEEN

In its full glory, notwithstanding the severe drought, at our Mr. Wintzer's farm at West Grove, Pa. Also the **NEW PURE ROSE, PURE PINK, PURE YELLOW**, and other remarkable Cannas that will be offered by us for the first time this season. **The White Myrosma** also in full bloom now. **The New Golden Cosmos, The Crimson Spiraea, THE BLUE SPIRÆAS, Tecoma Smithii, Solanum Rantonnetti**, and other Novelties in Plants. Headquarters also for **The Strawberry Raspberry, The Raspberry Blackberry, The Mayberry, Stanley Raspberry.**

**ROSES.** **Crimson Rambler**, \$6.00 to \$15.00 per 100. **Magna Charta**, 2 to 3 feet, \$6.00 per 100. **Tennessee Belle**, 4 to 5 feet, \$6.00 per 100. **Baltimore Belle**, 4 to 5 feet, \$6.00 per 100. **Meteor**, 1 to 2 feet, \$6.00 per 100. **CAROLINE TESTOUT**, finest plants in the country, \$10.00 per 100. Not less than 100 at these prices. **Black Callas**, \$6.00 and \$8.00. **Spotted Callas**, \$3.00 and \$5.00. **Purple Callas**, \$3.00 per 100. **Little Cems**, \$5.00 per 100.

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A. BLANC &amp; CO., 314 &amp; 316 N. 11th Street, Philadelphia, Pa.

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## ROOTED CUTTINGS.

Most approved bedding sorts, largely Semi-Double and Single scarlets. Double and Single white, pink, salmon and dark crimson in proportion.

Also a very choice collection of Fancy and Blooming kinds.

Price in assortment, \$12.00 per 1000 labelled.  
 \$10.00 per 1000, or \$1.50 per 100 not labelled.  
 Stock grown by Daniel K. Herr.

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150,000 of all the leading varieties.

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50,000 of leading varieties.

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H. B. MAY offers the above in about 200 of the best and most useful varieties. All spores carefully saved from own stock, which is the largest in the trade.

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H. B. MAY, Dyson's Lane Nurseries,  
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## Palms &amp; Ferns.

Our 17 collection, 3 & 4-inch \$3, 34 for \$5; 10 1/4 & 5-inch \$3, 50, 20 for \$6; 6-inch for \$5. All good selected varieties. Special sale: Choice FERNS, \$5.00 and \$6.00.

ROSES AND GERANIUMS, LABELS,  
MOSS, ETC.

WILLIAMS &amp; SONS CO., Batavia, Ill.

Per 100  
**DRACAENA INDIVISA**, 3 1/2, ready for 5 & 6. . . \$6 00  
**CYPERUS ALTERNIFOLIUS**, 2 1/2-inch. . . 2 50  
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**HYDRANGEA OTAKSA** and **THOS. HOGG**, 2 1/2-in. 3 00  
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**ROOTED CUTTINGS** of all general stock. . . 1 00

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## KELSEY'S BRILLIANTLY COLORED

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A card full of **hints** and information for Florists (and **liberal, truthful** samples) sent for the asking, by the **INTRODUCER.**

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We supply **WHOLESALE FLORISTS** everywhere.

**AZALEAS,** Sander, Bruges, Belgium.  
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SEND FOR SPECIAL OFFER.Radish,  
Lettuce.

The best Seeds  
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**E. G. HILL & CO.,**  
**Wholesale Florists**  
**RICHMOND, INDIANA.**

doz. per 100  
**CLEMATIS**, large fl'g, best kinds, \$3.00 \$22.50  
**PÆONIES**, fine Ass't, named..... 1 25 8.00  
**POET'S NARCISSUS**, double  
 white, large stock..... .75  
**SMILAX**, 2 1/2-in., fine plants..... 1.50  
**DOWNING GOOSEBERRIES**, best gro'n, 2.50  
**F. A. BALLER, Bloomington, Ill.**

PLEASE mention the AMERICAN FLORIST  
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## 40,000 CARNATIONS.

Field Grown.

	PER 100
DAYBREAK.....	\$5 00
NANCY HANKS.....	5 00
LIZZIE McGOWAN.....	5 00
SILVER SPRAY.....	5 00
AURORA.....	4 00
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FRED CREIGHTON.....	4 00
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All good strong healthy plants.

ROGERS PARK FLORAL CO.,

41 WABASH AVE., CHICAGO.  
Mention American Florist

## CARNATIONS

After the early chrysanthemums are thrown out, many florists plant carnations. We have a few thousand good plants heeled in, in the cold house, suitable for this purpose.

MME. DIAZ ALBERTINI,  
\$5 00 per 100.

GARFIELD, ROSALIND,  
HINZE'S WHITE, MRS. CARNEGIE,  
UNIQUE, \$4.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

## Eldorado, Kitty Clover

The best YELLOW CARNATIONS to grow for profit. ROOTED CUTTINGS now ready, @ \$5.00 per 100. Also 30 000 strong rooted cuttings of suitable kinds for summer bloom.

A few FIELD-GROWN plants in frames at a low rate to close out. Send for prices.

W. R. SHELMIER,  
Chester Co., AVONDALE, PA.  
Mention this paper.

## CARNATIONS

Cut Blooms at Wholesale.

FIELD PLANTS AND ROOTED CUTTINGS  
IN SEASON.

C. J. PENNOCK,  
The Pines. KENNETT SQUARE, Chester Co., PA.

## CARNATIONS PEACHBLOW.

Rooted Cuttings ready April 1st, '96, \$5.00 per 100, and \$45.00 per 1000.

Book your orders early and be sure that you will get them. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

## CARNATIONS, Strong Plants in Cold Frames.

E. G. HILL, MRS. FISHER, MRS. HITT, WM. SCOTT, SILVER SPRAY, MME. ALBERTINI, EDNA CRAIG, FRED. DORNER and PORTIA, \$5.00 per 100. Special low rates on 500 and 1000 orders. Sample Free.

Terms, cash with order.

JOSEPH HEINL, Jacksonville, Ill.

ALEX. McBRIDE,

## Carnation Grower

ALPLAUS, N. Y.

Peter Fisher, ELLIS, MASS.

NEW AND TESTED

## CARNATIONS.

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Rooted Cuttings. Young Plants. Field Grown Plants in season. Write for prices.

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# Begonia Semperflorens Nivea,

THE NEW EVER-BLOOMING SNOWY BEGONIA.

It is a well known fact that the true ever-blooming Begonia semperflorens rosea is not only the best Winter-flowering Begonia, but also the best bedding and best market plant we have to-day in cultivation. It is constantly in bloom the whole year round, and its splendid habit makes it just what the people want. We have a fine plant that has been in bloom every day for more than 3½ years. It is the best selling plant we ever had. We have sold many thousands of it, from Texas to Canada and from New England to Oregon, which have given the greatest satisfaction.

We now offer NIVEA, a sport from and identical with the above in all respects except color, which is white. When grown in strong sunlight, or allowed to get too dry, the flowers will be suffused with delicate rose, which adds much to its beauty, giving it an apple-blossom appearance. We are using quantities of this almost daily in floral designs, its elegant panicles giving a grace that is unique and beautiful. The plant grows rapidly, and when well stopped back soon makes shapely plants, literally covered with graceful panicles of the most delightful rosy shade or pure snowy whiteness. Please do not confound this with the misnamed Semperflorens alba, which is not a Semperflorens at all, but the old Nivida, which is of no value to anyone. We offer strong, perfectly clean, well branched, well established plants; all have been stopped back one to six or eight times. Extras with all orders per express. Safe delivery and satisfaction guaranteed. Cash with the order. Post Office or Express orders at our risk. Order early; 6 and 25 plants at one dozen and 10 rates. No orders received for less than one dollar.

	Each	Doz.	100	Each	Doz.	100
From 2½-in. pots, twice stopped back, established.....	\$1.50	\$10.00		\$0.25	\$1.75	\$12.00
From 3½-in. pots, extra nice plants, branched.....	\$0.25	2.00	12.00	.35	2.40	
From 4-in. pots, large plants, plenty of cuttings, extra strong.....	.35	3.00	18.00	.45	3.50	
From 5-in. pots, fine specimen plants heavy stock.....	.40	4.00	25.00			
From 6-in. pots: these are grand plants.....	.75	6.00	35.00			

Samples of the 4 first named sizes, express, \$1.00; mail, \$1.25.

Begonia semperflorens rosea (true), the best bedding plant we have,

2½ in., bushy, well branched plants..... 1.25 8.00 .25 1.25

TRITOMA UVARIA FLORIBUNDA.—This fine variety originated with us. Its large scarlet and orange flowers being produced from July to November, with its hardy constitution, needing no protection, make it the best hardy late Autumn plant we have. It is now (Nov. 15) in good bloom, having stood the late hard freeze perfectly. Strong plants..... .25 2.00 12.00 .35 2.50

Next size..... 1.00 6.00 .25 1.50

NEW VARIETATED CERANUM.—BEAUTY OF AUBURN. This plant originated in Auburn. It is the best geranium for vases, baskets, etc., we have ever seen. (Try it.) Extra strong, 4-in. pots, full of cuttings..... .25 2.00 12.00 .30 2.25

ANEMONE.—Double white and double red, from flats..... .50 2.00 .60 2.50

field-grown, strong..... .25 1.00 6.00 .30

Speak quick. This ad. will not appear again.

## J. ELLETSON, Floral Nurseries, Auburn, N. Y.

## EARLIEST LARGE FLOWERING CHRYSANTHEMUMS

MARQUIS DE MONTMORT,

Much in the way of Vivand-Morel. Ready to cut Sept. 29th, 1895. Stock plants 50 cts. each; \$5.00 per dozen.

MERRY MONARCH,

Earliest large white, cut on October 9th. Best early white to date. Price, 50 cts. each; \$5.00 per dozen.

NEMESIS, MISS M. M. JOHNSON, J. H. TROY, PARKER, Jr., 50 cents each; \$5.00 per dozen. MARION HENDERSON, MAJOR BONNAFFON, MADAME F. BERGMANN, YELLOW QUEEN, and all the staple varieties, 25 cents each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

DAILLEDOUZE BROTHERS, Flatbush, N. Y.

When writing mention the American Florist.

## HERR'S CARNATIONS.

ROOTED CUTTINGS that will give good results, because they come from healthy stock, and will be well rooted when sent out.

VARIETIES—McGowan, Mrs. Fisher, Daybreak, Scott, Aurora, Sweetbrier, Rose Queen, Peachblow, Dorner, Stuart, Portia, Buttercup, Keller, Iago, Cartledge, Tidal Wave, and all novelties.

Don't place your order before writing to me, no matter if it's a hundred or a hundred thousand, I can fill it.

L. B. 496.

ALBERT M. HERR, LANCASTER, PA.

## CHRYSANTHEMUMS

All the best new and old varieties.

Send for List to

EDWIN LONSDALE,

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LARGE STOCK PLANTS.

IVORY, WANAMAKER, MRS. JEROME JONES 5c each; 50c per dozen.

KATE BROWN, MRS. WHILLDIN, LINCOLN, MAJOR BONNAFFON, E. DAILLEDOUZE, MAUD DEAN, GOOD GRACIOUS, 8c each; 75c per dozen. Cash.

E. FRYER, R. R. Ave. cor. Hill St., Brooklyn, N. Y.

## CHRYSANTHEMUMS.

80 New Varieties, including

Miss M. M. Johnson, J. E. Lager, Philadelphia Minerva, Marie Louise, J. H. Troy, Mrs. Henry Robinson, Sunrise, Miss G. Piche, John Shrimpton, Royal Windsor, Mrs. S. T. Murdoch, H. W. Riemann, Miss F. Pullman and Zulunda. Fifteen plants for \$1. Send for catalogue. Address

M. B. LITTLE, Clens Falls, N. Y.

## Chrysanthemums.

Mrs. L. C. Madela, C. Chalfant, Edu Pruss, Iora, Maj. Bonnaffon, Monarch, Ostrich Plumes, H. L. Sunderbruch, Ed Hatch, Heron's Plume, Wm. Shrimpton, A. Bramhall, Mt. Everest, Pride California, L'Enfant des deux Mondes, Golden Hair, Pitcher & Manda, Marlon Henderson, Mrs. Lippincott, Sophie Slevens, Prairie Rose, Maud Denn, Dorothy Toler, Geo. S. Conover, Mutual Friend, Robt. M. Grey, Capt. Almsworth, Fascination, Miss F. Thorley, Yellow Queen, Mrs. J. Geo. Hls. Golden Gate, Mrs. H. Arnold, E. Dailledouze, Inter Ocean, Challenge, Mrs. J. Jones, Mrs. J. W. Cronch, Mrs. A. J. Drexel, Mabel Simpson, Mrs. J. G. Whilldin, Mrs. E. G. Hill, Queen Niveus, Miles A. Wheeler, Tuxedo, Golden Wedding, Y. H. Hallock, Harry May, Chas. Davis, Mrs. F. Bergmann, and many others

5 and 6-inch pots, 25c. each; \$2.25 per doz.

JOSEPH BANCROFT,

CEDAR FALLS, IOWA.

## Surplus Stock Mums.

WHITE—Queen, Jones, Niveus, Inter Ocean. YELLOW—Dailledouze, Golden Wedding, Minerva, Golden Gate.

PINK—Mrs. E. G. Hill, Erminilda, Eda Pruss, Constellation, Mrs. Parker, Jr.

RED—John Shrimpton, Childs, Mrs. Jos. H. White.

BRONZE—Amor, Chas. Davis

Good stock, 15 cts. each; 10c per 100. 25 at 100 rates.

NEW VARIETIES of '95 \$5.00 per dozen.

HARKETT'S FLORAL NURSERY, Dubuque, Iowa.

## Nashua, N. H.

A succession of weddings and receptions to take place in the near future promises to keep the florists in this city quite busy. The decorations on such occasions are, as a rule, of no mean order, the florists generally having full scope to exercise their own judgement and to do their level best. One of the finest weddings of the season took place at the First Congregational church about two weeks ago. Messrs. A. Gaedeke & Co. had the floral decorations, which were very fine, consisting of three colors, white, green and pink. A magnificent bower of laurel, suspended by asparagus and smilax, studded with Bride and Perle roses and tied with white and green ribbon, surrounded the bridal party. On the side next to the organ was a group of stately palms, while on the other side was an effective group of ferns, most tastily arranged. Vases of Perle and Bride roses and decorative plants were placed on either side of the pulpit. The general effect was all that could be desired and Mr. Gaedeke received many compliments.

Another notable affair was a ball given by the "Winwood Club." The decorations of the hall were elaborately executed, one special feature being a handsome crescent of flowers suspended over the stage and bearing the inscription "Winwood Club." This too was in the hands of Mr. Gaedeke.

Mr. Geo. E. Bruxton has opened an attractive flower store in the business part of the city. X.

## Hagerstown, Md.

If the greenhouse industry, which has developed in this lively and progressive town within the past few years, may serve as an indication of its future progress, Hagerstown promises to become one of the best flower markets in the state of Maryland. Some six years ago, when the writer first visited this town but few greenhouses could be pointed out; the trade was in its infancy, the few houses being small, uninviting and lacking in all the essentials of substantial commercial houses. What a striking contrast between then and now. Not a sign of the frail, glass covered shanty to be noticed anywhere. Instead, you behold well built houses of the latest design, houses well adapted for cut flowers, plants, etc.

Both Wm. and Henry Bester have rebuilt and remodeled their entire plants, the former adding 3 more houses to his, one 12x75 for violets, one 20x75 for chrysanthemums and one 25x80 for roses. These run east and west with the short span to the south, and are built in a way to insure convenience, durability and adaptability.

Mr. Henry Holzapfel, Jr. has completed and is putting the finishing touches to his four 20x100 rose houses. Mr. Holzapfel intends building additional houses in the spring and will grow roses for the wholesale market. Aside from cut flowers, he is an extensive grower of vegetables, celery and lettuce being his specialties. These finds a ready sale in the local market. X.

## CINERARIAS.

We are the largest growers in the country. 2 1/4-in., \$2.50 per 100.  
CALCEOLARIAS, strong plants in flats, \$2.00 per 100  
CYCLAMEN GIGANTEUM, 4-inch . . . \$8.00 per 100  
**S. WHITTON & SONS,**  
Cor. City and Green Sts., UTICA, N. Y.  
Mention American Florist.

New Extra  
DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20 varieties, for only \$2 by mail.

CASH WITH ORDER.

**S. O. STREBY,**

Lock Box 77,

UPPER SANDUSKY, OHIO.

When writing mention American Florist.

## CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery from March 1st. Cultivated Cycas always on hand, rooted and well established, at low prices.

Lil. Auratum, Spec. Rubrum and Album, Etc.  
Iris Kämpferi, in 100 choice varieties.  
Japanese Maples, in best varieties.  
Camellias, Pæonies, Tree Ferns, Rhapis, Etc.  
Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

**F. Gonzalez & Co.**

303 to 312 Wayne St., SAN FRANCISCO, CAL.

ASSIGNEE'S SPECIAL SALE OF

**HARDY AMERICAN ORNAMENTALS.**

To as speedily as possible overcome the embarrassment which necessitated an assignment, I offer for immediate sale at a great sacrifice the entire stock of the well known HIGHLANDS NURSERY, comprising millions of well grown Native Trees, Shrubs, Bulbs, Vines and Herbaceous Perennials in all sizes. All reasonable offers will be entertained. I am prepared to quote, under the above conditions, on stock for large and small plantings (for immediate or spring shipment), specially inviting correspondence from Nurserymen and Park and Cemetery officials.

AS ALL ORDERS WILL BE BOOKED AND FILLED STRICTLY IN ROTATION as received, early attention is requested that selected stock can be reserved; furthermore, the above conditions of sale will hold only till sufficient orders are booked to authorize a return to usual prices.

Such an opportunity to select from what is conceded to be the FINEST STOCK OF HARDY NATIVE AMERICAN PLANTS in this country will hardly be presented again and prompt correspondence is urged for mutual interests. Address THOMAS E. PARKER, Highlands Nursery, Kawawa, N. C.

Assignee for Harlan P. Kelsey.

## ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

**SANDER,** St. Albans, England,  
& Bruges, Belgium.

A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106 and 108 Liberty Street, New York City  
Send for illustrated catalogue.

## Begonias, Gloxinias.

500,000 Bulbs of our Noted Strain for Sale.

PALMS, AZALEAS, FICUS, ARAUCARIAS SWEET BAYS, DUTCH BULBS, LILiums, ETC.

The Best is Always the Cheapest. Write for Prices.

**TOEFFAERT & GEE,** GENDBRUGGE les GAND  
BELGIUM,  
And 36 Catharine St., Liverpool, England.

All Quality, Small Profits. Perfect Packing, Prompt Attention, Low Freight.

## Pansies Worth Raising.

STRONG PLANTS, ready now, \$2.50 per 500; \$4.00 per 1000. Discount on large orders. Free on board express here.

Also SEED as usual. Cash with order. Full value in return.

**C. SOLTAU & CO.,**

199 Grant Ave., JERSEY CITY, N. J.

## STRAW MATS FOR HOTBEDS OR COLD FRAMES.

Made by hand—any size—the best. Rye straw and tarred twine used. These will last for years. Write for prices.  
**H. YOEUELL,**  
Lodi and Willow Sts., Syracuse, N. Y.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

## Order Now.



## Metal Floral Designs,

For the Holiday Trade.

Full particulars quoted on pages 25 and following of our New Fall Trade List for 1895, or leave the assortment to us, stating money you wish to invest, and indicating your wants. Our Collections for Ten, Fifteen, Twenty, Thirty Dollars, and more cannot be surpassed.

We call your attention to our

## New Weatherproof Wreaths

of green foliage and specially prepared flowers quoted and described on page 3 of our list. They are cheaper than Metals and look more natural.

## Xmas Holly,

The best, well-berried Delaware stock, specially gathered and put up for our trade. Single cases, \$5.00 net; larger quantities, \$4.50 net per case.

## Vermont Bouquet Green

In A1 quality, we offer in original-weight bags of about 40 lbs. at rate \$3.00 net the 100 pounds.

## Special Xmas Collections of



## Flower Baskets,

Plain and fancy, in many new and tasteful styles. Composed of the best and latest designs in Celluloid, Raffia and Cane, tinte tape, braid and other finishes.

Collection A for Fifteen Dollars.

Collection B for Twenty-five Dollars.

For further detail, compare our latest trade list, containing likewise a full line of all

## Florists' Supplies

useful for store and greenhouse work. If you have not received a copy, send for one with your business card. We sell at wholesale only. Address

## August Rölker &amp; Sons

136-138 W. 24th St., New York.

# FOUND AT LAST!

The long-sought Pink Ivory. A peerless jewel among  
CHRYSANTHEMUMS.

## MISS AGNES L. DALSKOV,

A sport from Ivory, a better keeper and of somewhat  
stronger growth, otherwise identical with the  
parent except in color, which is

### A BEAUTIFUL SHELL PINK

and shaded as delicately as the pink pond lily. This  
variety has been grown for three years by Mr. M. Jansen,  
New Durham, N. J., at whose place it originated. The  
blooms, during the present season, have had a phenom-  
enal sale on the New York market.

Stock plants are now offered at the following prices:

PER HUNDRED,	-	-	-	-	\$175.00
PER DOZEN,	-	-	-	-	22.00
SINGLE PLANT,	-	-	-	-	2.00

Cash with Order.

**Julius Lang,** SELLING  
AGENT,

53 West 30th Street,

—NEW YORK CITY.



## San Francisco.

Business of late has been fairly good. The great bulk of the chrysanthemums are now over. The stock going into the market is also of a better quality, as the great mass of small stuff is all cut. Carnations, especially good Portias are pretty scarce, also Daybreak. Roses are still at a low ebb. The stock of them is very good but the chrysanthemum over-shadows everything at present. Beauties as usual are scarce at \$1. Marie Louise violets have never been so scarce as at the present time. This is due to lack of rains this fall. They have stiffened in price and now bring \$1.50 for good. Swanley White is also scarce. A few seasons ago they were very plentiful but brought no price, so the growers discarded them more or less and that accounts for the scarcity now. The new California is unquestionably the violet. It is in great demand and the supply is fairly good. The quality is also improving with cool weather.

James B. Kidd, who recently resigned his position with the Sunset Seed & Plant Co., is again back in his old position.

Shipping trade is rather slow for this season of the year. Shipments out of town have fallen off a great deal as compared with this time last year.

Mr. Jos. Jackmet the Taylor street florist, has been seriously ill for the past few weeks, but is now seen around again.

Frank Pelicano & Co.'s windows are at present one of the attractions on Kearney street, the immense show of Dailledouze and Harry Widener chrysanthemums never failing to attract crowds.

Emile Serveau of Serveau Bros., California street report business as picking up considerably and a look around their store proves the assertion, as everybody is always busy.

John C. Nolan has begun the culture of violets at Baden. He intends to make a specialty of Marie Louise and California.

Golden Gate Park presents a fine appearance at present. The absence of frosts still leaves everything in bloom, chrysanthemums, cosmos, marguerites, etc. making quite a show. Great improvements have been made this summer and the reports show quite a sum of money expended in beautifying this park. The fine appearance of the conservatory also reflects great credit on the superintendent, John McLaren, and his assistant Mr. James Milan. METEOR.

## H. BAYERSDORFER & CO., WHOLESALE FLORISTS' SUPPLIES ONLY, 36 N. 4th Street, PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

## M. RICE & CO., Florists' Supplies,

23 & 25 N. 4th St., PHILADELPHIA, PA.  
Send for Catalogue.



## WHITE DOVES FOR FLORISTS.

Largest and finest stock in the United States. Write for prices to

S. J. RUSSELL,  
203 Summit Ave., JERSEY CITY, N. J.



**BOUQUET GREEN.** For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.  
**SPHAGNUM MOSS** a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.**



hardly, for 'tis beauties they chaw. Keep 'em off by using fresh, strong Tobacco Stems, 75 cts. 100 lbs. (500 lbs. in a bale), at all these cities:

New York City.  
Chicago, Ill.  
Cincinnati, O.  
Detroit, Mich.  
Louisville, Ky.  
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H. A. Stoothoff,

331 Madison Ave.,

N. Y. City.

## Jones, McDuffee & Stratton, Plant Pots and Pedestals

of all grades, sizes and values, direct from the best Potteries of England, France, Germany, China Japan and the U. S.

WHOLESALE AND RETAIL.  
120 Franklin St. cor. Federal, Boston, Mass.

See cut in next issue.

## HOLT HEATING COMPANY, Steam and Hot Water Boilers and RADIATORS.

PIPE FITTINGS & GENERAL HEATING APPARATUS.  
90 Union Street,  
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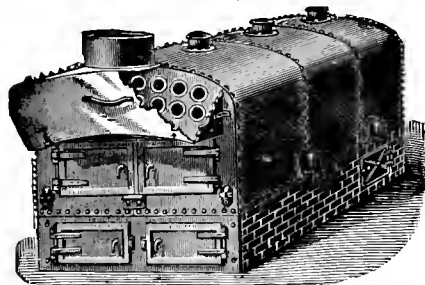
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made from it is cleaner, cheaper and better than from any other source.

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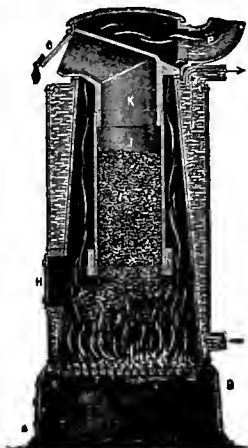
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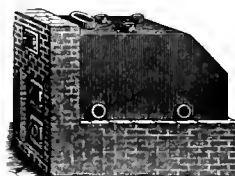
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## New Directory.

A corrected edition of our Trade Directory and Reference Book will be issued Jan. 1, next.

AMERICAN FLORIST CO.

P. O. Drawer 164. . . . . CHICAGO.

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Rochester, N. Y.

Salter Bros. have opened their new and very commodious store with a brilliant chrysanthemum show. The location is all that can be desired for the business, being close to the most fashionable residences and also on the main business street. There is no doubt that they have made a move in the right direction. On the opening day the show windows and the interior of the store was all ablaze with potted plants of chrysanthemums, interspersed with palms and foliage plants; here and there was a well arranged group of ferns with rare and beautiful orchids mixed in, such as Vanda cœrulea, oncidiums and cattleyas in variety. The ceilings and sides were profusely festooned with asparagus and smilax, and the counters and shelves were attractively decorated with large handsome vases of cut flowers of every description. Thousands of rosebuds were given away, every visitor during the day and evening receiving a rose.

As was predicted for this section chrysanthemums have been overdone here. Prices are slaughtered, and very good flowers may be bought at the very lowest figures.

The sale of palms and foliage plants holds out remarkably well this fall, better than usual; the stock offered is of excellent quality in most places, and although in this city we cannot expect fancy prices for our goods, we are well satisfied with our sales at a moderate profit. J. B. K.

Syracuse, N. Y.

The cut flower trade holds remarkably good. Chrysanthemums have the call. Violets are coming in well now. Chrysanthemums in pots do not sell well this year, owing chiefly to not having a show, which always stimulates trade for them.

The annual meeting and banquet of the Central New York Horticultural Society will be held at the Vanderbilt House on the 4th at 4 p. m. after the election of officers, Prof. S. A. Beach of the state experimental station Geneva, N. Y. will give an address on the fertilization of flowers in orchards and vineyards. The banquet will be at 6 o'clock; from what I learn the floral decorations of the tables will be very fine.

Winter was here in good earnest on the 22d; 6 inches of snow, the glass down to 10 above, and a heavy gale. H. Y.

Waterbury, Conn.

The annual chrysanthemum show given by Alexander Dallas at his greenhouses was a very attractive display, and was visited by big crowds during the two days it was open to the public. The office was filled with well-arranged cut blooms, while the adjoining palm house was arranged for effect with chrysanthemums. Two houses were given over entirely to chrysanthemums, while the entire establishment was in gala dress.

## FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

J. G. SWANN'S SONS, Minneapolis, Minn.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

# NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

AMERICAN FLORIST COMPANY,  
P. O. Drawer 164, CHICAGO.

## Standard Flower Pots.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

A FULL LINE OF BULB PANS.  
The Whilldin Pottery Company,

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Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., N. Cambridge, Mass.

## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopfel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopfel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

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Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address  
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Is unreliable because it depends upon the element for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

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are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable, require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

Send for illustrated catalogue to  
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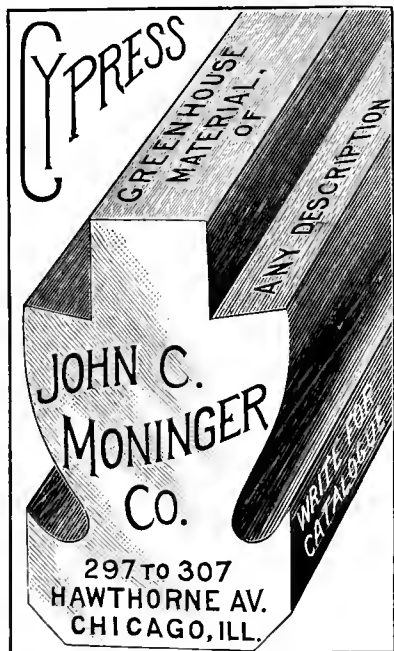
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Manufacturers of

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GREENHOUSE MATERIAL OF.  
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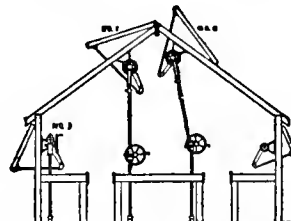
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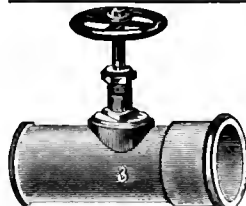
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One of the finest bi-generic orchid hybrids of the season is *Laelio-Cattleya* × *Clonia* *superba* for which Veitch & Son were awarded a first-class certificate by the Royal Hort. Society. The sepals and petals are rosy lilac, with a beautiful tracery of bright purple lines. The lip is magenta purple—the outside of the side lobes lilac, with purple veins.

At the recent funeral of Prof. Pasteur, the distinguished French scientist, the flowers were unusually profuse and beautiful. The majority of the emblems were either wreaths or bunches composed of cypress leaves and flowers. One beautiful wreath was of phoenix leaves and cypripediums, with a sheaf of *Odontoglossum grande*. The majority of the flowers used were roses, orchids, white lilac and China asters.

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HAS COME TO STAY.

SENT ON APPROVAL. PRICE \$1.00.

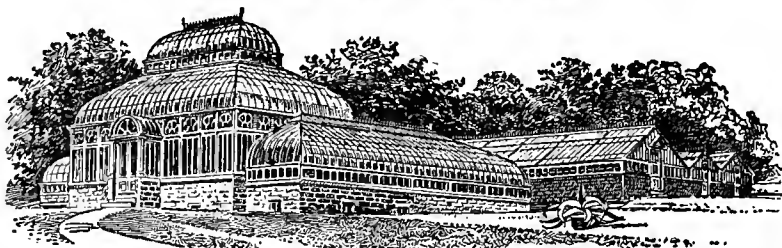
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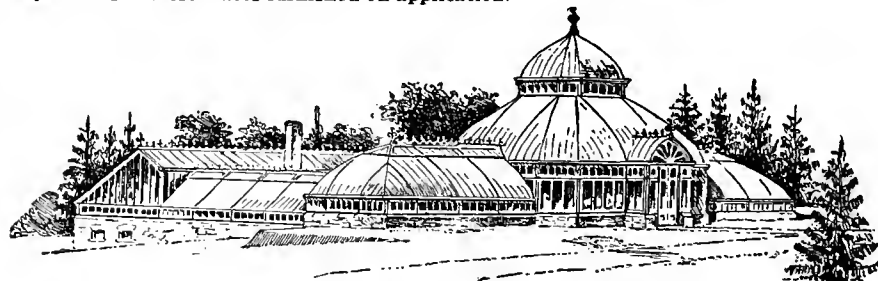
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# THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XI.

CHICAGO AND NEW YORK, DECEMBER 7, 1895.

No. 392

## THE AMERICAN FLORIST

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Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

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### SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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### Society of American Florists.

Mr. H. H. Battles having resigned from the executive committee of the Society of American Florists President Lonsdale has appointed Prof. J. F. Cowell, director of Buffalo Botanic Garden, to succeed him.

WE ARE NOW ready to receive advs. for the corrected edition of our trade directory and reference book to be issued January 1 next.



### Carnation Notes.

In my last I gave my opinion as to what I consider the best cuttings, and how to procure them. The next question is when to propagate. Now this depends altogether on circumstances, especially the condition of the plants from which the cuttings are taken, and how they can be cared for after being rooted. Everybody has to judge for himself in this matter, and I will only touch some points to be considered, relative to the performance of this work.

A cutting should have a stem from 1½ to 2½ inches from heel to point, so with the leaves it may be 4 inches and over. One too young is of little value, the same when too old, when they become hard and bud formation may have commenced. Next, when rooted, they should be kept in an uninterrupted growing condition until transplanted to the field. If propagated early this requires work and space. To pot and shift into larger pots as they advance in growth takes work, and if there is no available and suitable bench room to place them better postpone propagation until later, when the young plants can be placed in frames, awaiting planting in the field.

I will not say that the early made plants are not good, and when properly cared for they are excellent, but when pushed around in out of the way places, as is often the case, not much can be expected from them. My experience teaches me that cuttings taken in the first part of March make the best plants almost always. Everything seems to be more favorable. Vegetation begins to awake from the winter's rest, new life begins to pulsate; although our plants have not experienced any rest, at this time the spring season shows a marked influence on them. More sunshine and more fresh air helps to bring the cuttings into better condition. After four weeks, the average time to root them, they are ready to be potted up, or planted in boxes, and in the two or three weeks time left before planting out they have ample time to take nourishment, gain strength and become fit for the transfer to the field. In this way we are sure of an uninterrupted growth and I have always found these younger and smaller plants make better formed and even larger plants by fall, than the early grown larger but unshifted ones, for these do not take as quick a hold of the ground and the former will outgrow them in a

short time. I prefer to transplant from pots, but they should not be too much root-bound.

As I have said before, the time to propagate depends on circumstances. There is more than one way to reach the point aimed for, but I consider the time mentioned the best; it facilitates the work, and helps to improve the young stock.

It is not in my province to dwell on the trade in rooted cuttings and plants; my remarks are in general for every florist. But I can not refrain from saying that if every grower of cuttings would strive to send out only good healthy stock to the best of his ability, it would tend to enlarge that trade very materially, and be a great gain in the general improvement of carnation culture. He certainly cannot wait for his ideal time, nor use his ideal mode, for he must be prepared early and late to serve his customers. But he can do much in not overstepping the bounds that nature points out and holding on to principles that every carnation grower should observe.

One other question may be asked; what is the best way to prepare cuttings and what will make the best propagating bed. Different ways are practiced; some take more pains than others. It is always a point of consideration what percentage can be rooted, and experience will tell best what is the most practical and expedient way. The most essential points to be observed are cleanliness, ventilation, proper temperature, all guards against fungus, the worst enemy of the propagating bed. I also would advise drainage and a liberal supply of fresh water tempered to the temperature of the house.

By the way of illustration I will shortly relate here how we proceed at our place. In pulling the cuttings take hold of the branch with the left hand, with the right hold the cutting, give a downward pull and then to the side. This will break the cutting clean out of the axil of the leaf, letting the leaf stand. It will also leave the heel in the right condition. If the leaves extend too near the heel we remove one or two tiers, with the knife, and also shorten the leaves about one-third of their length. If the cutting is too long and hard on the heel, we cut or break it at some joint higher up; here I prefer to break by bending, not pulling. Our propagating house is of even span, running north and south, middle bench for propagating bed, heating pipes underneath, sides open; bottom of bench made of brick laid on wooden stringers. We put a thin sprinkle of sulphur on the bottom, use medium grained clean pit sand three inches deep, firmly pounded down. Renew the sand for a fresh batch of cuttings. Temperature the same as generally kept for carnations, 55° at night. At daytime we guard by shading against too high temperature, over 65° will injure. We water freely, and a sprinkle of

weak copper solution, the same as used on plants, applied with the can and fine rose about 12 or 14 days after the insertion of the cuttings will prove very beneficial.

FRED DORNER.

#### A New Carnation Disease.

I send herewith cuttings from some of my carnations which seem to be affected with some kind of a disease. Is it rust or the result of being kept too warm at night?

J. B.

A few days ago I received a communication with specimen of the same disease. The eruptions over the leaves have much the appearance caused by rust and at first glance I thought it to be that, but on closer examination found it was not. This disease being entirely new to me, I sent the specimens to Dr. Arthur of the Indiana Experimental station and received the following reply:

"The disease is edema, which is new to carnations, but has been observed in tomatoes, violets and some other plants. It is caused by the plants absorbing water faster than they can evaporate it, and causing the cells to puff out into water blisters, which afterward break and dry out into brown spots. Less water on the soil, dryer atmosphere and higher temperature, all tend to relieve it."

As the specimens before me are affected with the same disease as the ones Dr. Arthur examined and gave his opinion on, his reply will certainly be the most satisfactory answer in this case.

FRED DORNER.



#### Chrysanthemum Stock Plants.

Please give best treatment for chrysanthemum stock plants in order to have them in good shape to take cuttings from next spring.

A. F.

Stock that is wanted in the best condition for cuttings in the spring should be wintered as cool as possible, just above freezing, 35° to 40°. This allows them to make good strong root growth without sending up many cuttings and are thus in the best condition to produce an abundance of cuttings at the approach of bright spring days. Such plants may be potted, boxed or planted out and protected by a cold frame or greenhouse. They may also be stored in a cold light cellar, where they will need watering occasionally, but keep them on the dry side rather than too wet.

ELMER D. SMITH.

#### A Chrysanthemum Freak.

We recently received a box of chrysanthemum blooms from Nanz & Neuner, Louisville, Ky. Among them were some blooms of unfamiliar appearance, which they inform us, were Pitcher & Manda as that variety appeared with them this year. The coloring was of the normal type, yellow center bordered with white, but the shape was entirely distinct, being a rounded high built incurved flower much like the new Mrs. W. C. Egan.

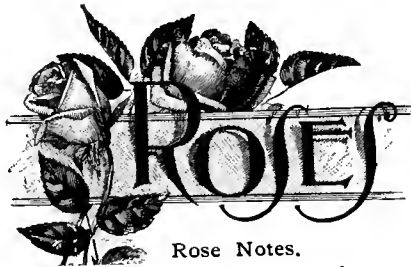
Among the other flowers were two of the firm's seedlings, Apollo, a promising incurved deep yellow, and No. 32, an extremely large bloom, shape of Niveus, pink shading to pearl white at tip. The color is hardly bright enough for commercial requirements, but the great size and striking shape will make this valuable as an exhibition flower. An extra large flower of Mrs. L. C. Madeira showed this fine bloom at its best.

#### Chrysanthemums Violescent and Modesto.

These two new varieties, both of which have been certificated by the Chrysanthemum Society of America, were originated by Messrs. N. Smith & Son, Adrian, Mich.

Violescent is white, with lower petals shaded violet and is a cross between Temptation and Pres. W. R. Smith.

Modesto is a bright yellow and is from Mrs. C. D. Avery × Mrs. C. Lippincott.



#### Rose Notes.

The long continued spell of warm, cloudy and rainy weather we have lately experienced has had a bad effect on both plants and flowers; in such weather the most careful manipulation of ventilation, water and fire heat, coupled with the best judgment is necessary to secure salable flowers and maintain the health and vigor of the plants. To syringe in the morning and then have the day turn out rainy and warm is almost certain to cause rotting of the flowers, unless the ventilators are opened and fire heat applied. In such weather it is not safe to syringe at all unless the day gives promise of a fair amount of sunshine. It is also necessary to give all ventilation possible in order to mature the growth and harden the foliage, at the same time we must watch closely for mildew, applying the remedy at once if discovered and make sure that red spider does not get a start in some out of the way corner, for it is surprising how soon they can spread through a bench or a house, it is not unusual to find a house covered with this pest before the man who has charge seems to be aware of their presence.

Watering at this time requires the best judgment; when there is very little sun and sometimes no fire heat at all the absorption and evaporation is reduced to a minimum, so we must bear this in mind and only give water at the root wherever and whenever it is required. Still we shall never produce real fine well-colored blossoms in in dry soil; the bed or bench should be moist all through, but never very wet except just after watering. Some growers have advocated deluging roses with water almost every day, claiming to have had the best results from such treatment, but this is contrary to my experience and also to nature and common sense.

Tying is a matter that takes up a great deal of time and is often done in a very indifferent and slipshod manner. I have met a few florists who didn't believe in tying roses at all; it has always been a mystery to me however, seeing I never visited their establishments, how they

managed to get through the walks long before spring and how they could cut any Niphetos or Brides that were not half devoured by snails and wood lice; perhaps they grew with stiffer stems. There is hardly any work in a rose house that pays better for being well done than tying, we have seen large Mermets and Brides which should have occupied at least twelve inches square, tied so tight to the stake as to give the impression that the space between the plants was of more importance than the plants, again we see one or two strings hanging round a plant, leaving it neither tied up or laid down, such spectacles are painful to see. It requires a little more time to tie neatly and well, but if the work is begun when the plants are small it is not so much a matter of extra time as of taste and neatness, this latter trait needs fostering and encouraging in the average employe very much.

As the holiday season approaches we find ourselves walking through the different houses making calculations on the prospects for Christmas and come to the conclusion that a certain house is a trifle too early to be in crop and another too late and probably very few just right, and yet you want so many roses for that occasion. You must have them; what is to be done? Retard the early house and hurry up the belated one? The verdict of those who have tried this plan is that it doesn't pay. A degree or two either way would not make any material difference to the plants, but roses will not endure without suffering, sudden and extreme changes of temperature; it is much better to let them run along at about the same temperature and have the crop come in when it is ready. It is not good policy for the sake of a few extra blooms at the holidays to run the risk of spoiling the whole crop or perhaps the entire house.

Mrs. Pierpont Morgan is now showing up finely. At a recent chrysanthemum show a vase of twenty-five of this variety in a collection, all of which were exceptionally fine, received more admiration than any of the rest. It may have been because of its name or because it was new, but we think it was because of its beauty and merit. There has been some objection to its deep color, but we heard nothing said by the ladies and connoisseurs present disparaging to its color. By the way, much to my surprise, a vase of Meteor kept fresh longer than any in the collection. Belle Siebrecht despite its name and black spot, seems determined to live and thrive; plants which three months ago seemed good for nothing are now throwing up good shoots with fine clean foliage. Flowers seen this fall have shown very fine color and it is certainly a great bloomer, all that it seems to lack to make it popular is good long strong stems to its flowers.

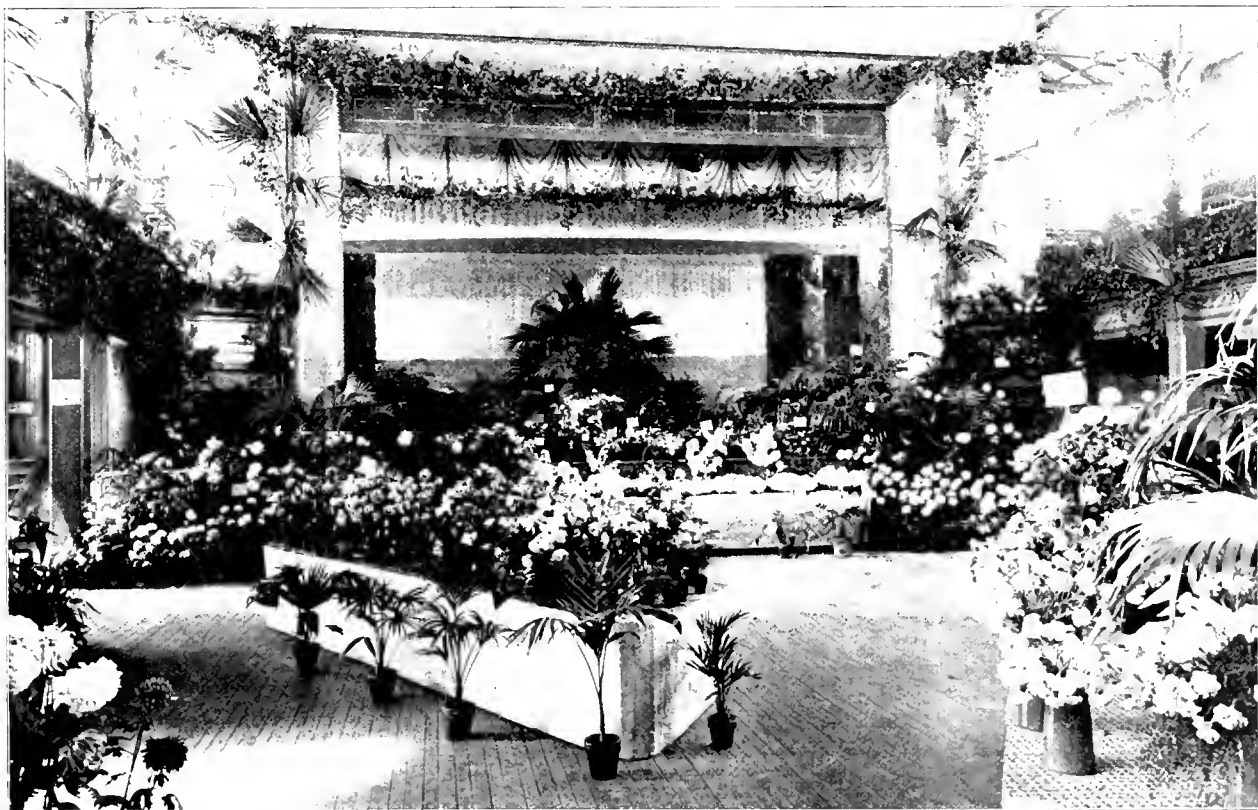
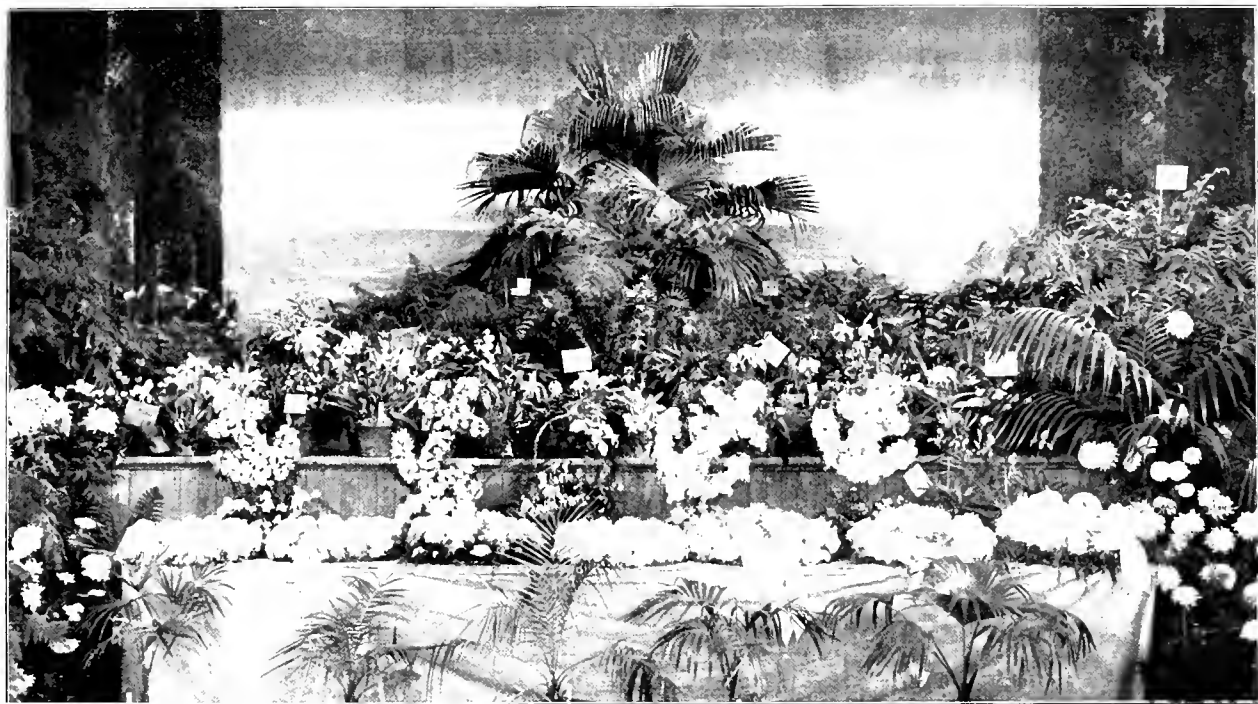
ROBT. SIMPSON.

#### Mildew on Roses.

Can mildew be caused by over-watering? Why is it that mildew is more apt to show on side benches than on center ones in same house? Is burning sulphur in the house by fire a cure for mildew? I have two or three side benches in Bride and Bridesmaid which it is hard to keep clear of mildew, while center benches and side benches, under the short span, are entirely free from it. Will you give some information which will help me out of trouble.

N.

Physicians tell us that a person with a robust constitution, who enjoys perfect



GLIMPSES OF THE TORONTO SHOW

health, may take into his stomach myriads of microbes, or fill his lungs with atmosphere saturated with disease germs, and suffer no harm whatever; subject a person physically weak, however to the same contagion, and the probability is that the disease would fasten upon him. This is just as true of plant life, and particularly so as regards mildew. This pest is a parasite, and the best remedy for it is prevention. If a house of roses has for any reason made a soft weak growth,

with thin light colored foliage all we need is some slight check, and we then have all the conditions necessary for a good crop of mildew. This check may come through too much water at the root, may be caused by a shower of icy water when the temperature is too low, by allowing the temperature to drop too low at night, or as is more frequently the case, by sudden changes of temperature when the ventilators are open.

Last year mildew caused us a great deal

of trouble all through the summer; it would spread on the plants when they were literally smothered with sulphur, and I attributed it entirely to tender foliage caused by too much shade. This past summer, with no shade and an abundance of ventilation at all times when possible, we have had scarcely any trouble from that source. As a proof that the condition of the plants has more to do with mildew than anything else, I had a bench of young roses in pots in a house



otherwise given up to chrysanthemums, with ventilators on both sides and at the ridge; these were left open day and night until quite late in the fall, but the rose plants never showed a spot of mildew, while others that had been coddled were all more or less disfigured by it. As a preventive of mildew during summer when sulphur cannot be used on the pipes I would recommend spreading it on the sills here and there throughout the house, or the laying of it on a few sheets of ten and suspending them from the roof, it may look rather unsightly, but not more so than if the plants are dusted with it; and is much cheaper.

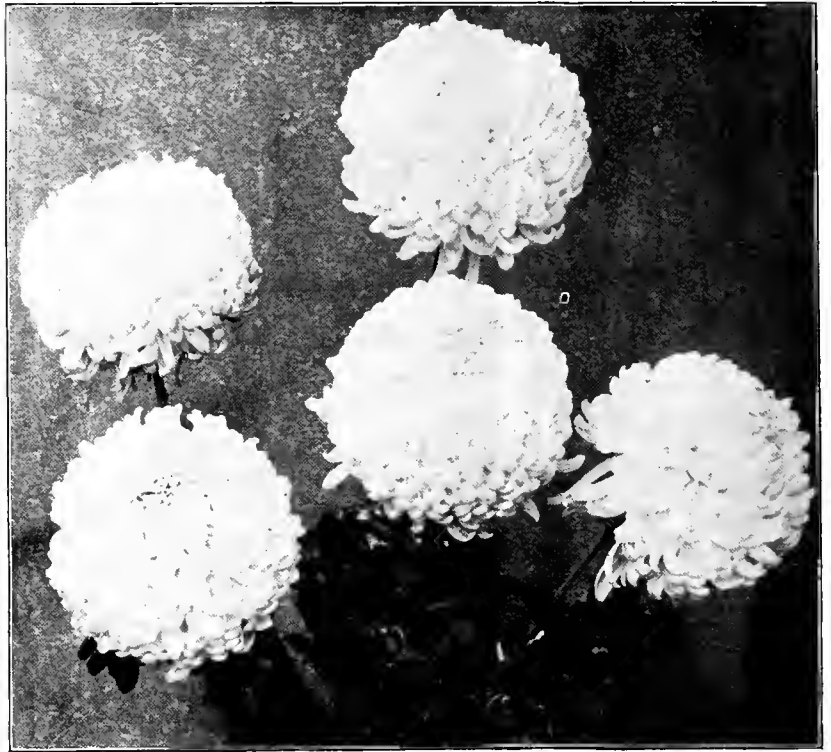
I think mildew is seen on side benches more frequently than on the center ones because they are nearer to the glass, and when the houses are not provided with side ventilators the side benches do not get the benefit of as free a circulation of air as the center ones. Burning sulphur in the house will kill mildew undoubtedly and it will just as surely take the foliage off your plants. Mildew is a bad pest in a rose house, but it is not a necessary evil, if we grow our plants strong, sturdy and hardy, we can afford to laugh at it.

ROBT. SIMPSON.

#### A Model American Place.

I think there is no better market for decorative and flowering pot plants in the United States than the city of New York, and many are the establishments where such plants are grown in quantity with more or less success to supply the demand. The plants grown for this purpose must be perfect in every way, imperfection in foliage or shape, however slight it may be, makes the plant almost unsalable and great care is exercised to avoid bruising or damaging the foliage of dracenas, palms and ferns. For instance all plants are allowed very liberal space in the benches or beds, not crowding any of them in the least at any time or in any stage of their growth. To the uninitiated observer in may seem an unnecessary and extravagant waste of valuable space to set plants as far apart as seen here, but it pays at the end to let every leaf have the benefit of the full light and thus preserve the oldest or lower leaves in perfect health. Even if double the number of fairly good plants could possibly be grown in the same space, the difference in price ultimately realized will more than compensate for the extra space occupied. Many of us think differently and try to grow quantity instead of quality; the result invariably is that at the end of the season we have about one-third or even one-half of the plants left on our hands, being ill-shaped and unsalable, which have to be coaxed along for another year or in many instances will have to be thrown out on the rubbish heap, which means the loss of a whole season's labor. New York people are very fastidious as to the shape and perfect foliage of a plant, and invariably will pay the full value for a good well-formed specimen without any blemish, while objections are made against the less attractive plants with even only slight imperfections in foliage or shape.

To grow such plants and grow them well is an art not possessed by everyone, and therefore comparatively few establishments turn out such first-class stock in quantity. The extensive greenhouses of J. M. Keller in Bay Ridge, L. I., are a fair sample of an establishment where only first class stock is turned out, and which place always looks as clean as a pin. A visitor this morning expressed his surprise that all the houses and



NEW CHRYSANTHEMUM VIOLESCENT.

sheds looked as clean and well arranged as if it was Sunday at any time you might drop in, and it may be interesting to many readers of the *FLORIST* to know what is grown here. The first house we may go in contains large specimen arecas in 10 to 16-inch pots, ranging in height from 6 to 12 feet, all stocky and branchy from the base; a splendid lot. On the side benches a fine lot of smaller plants from 2½ to 3½ feet are growing, three or four plants planted together in a pot. Several other houses are devoted to arecas of all sizes, from babies in 2½-inch pots up to 5 or 6 feet, all of them in excellent health.

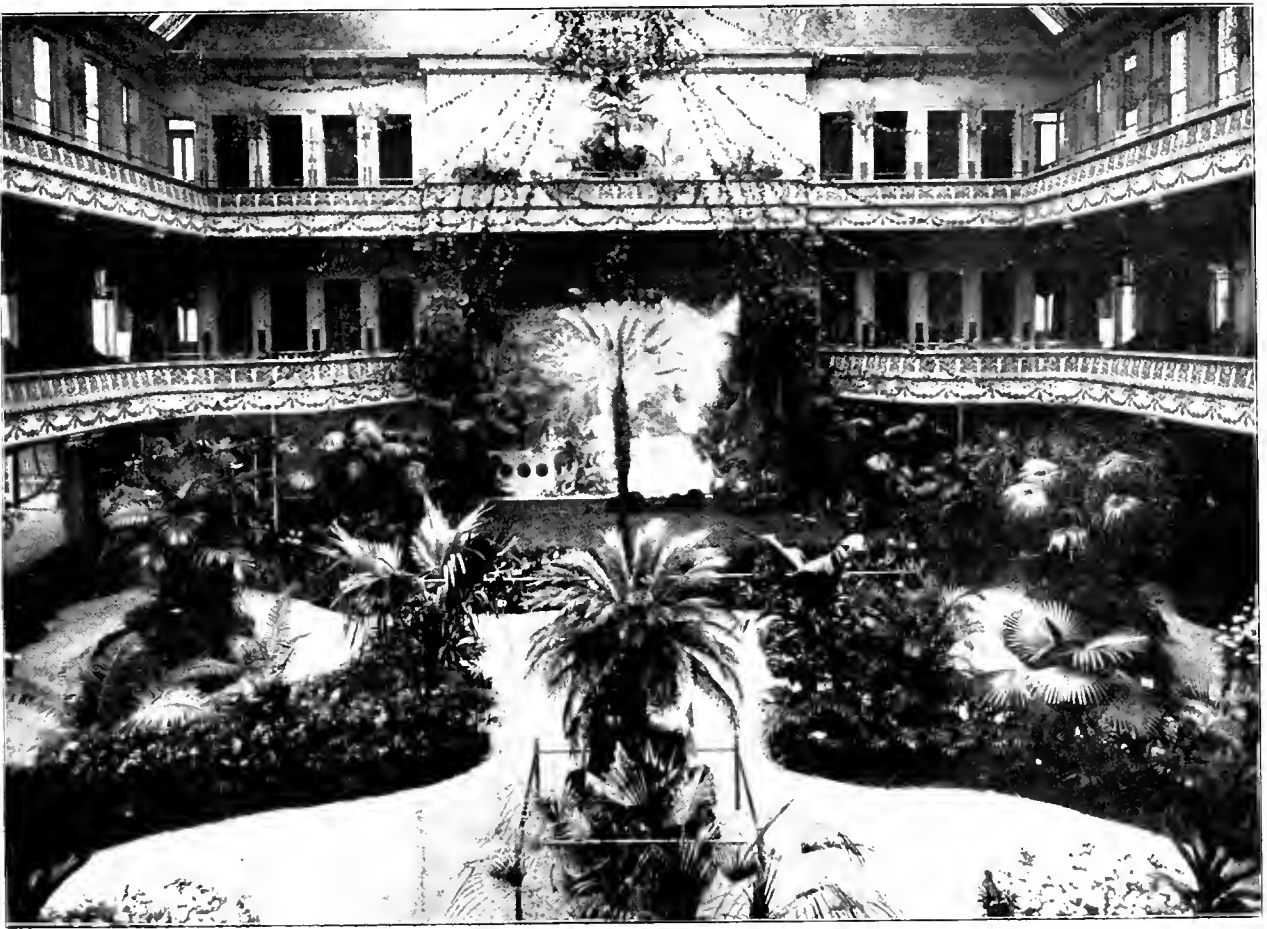
Kentias, mostly *Belmoreana*, are grown in large quantity, and all sizes are to be found in five large houses. One of them contains some extra large specimens 6, 8 and 10 feet high, and of corresponding width, well furnished with long healthy dark green leaves. These plants are especially remarkable for vigor and perfect shape. In another house the sizes range from 4 to 6 feet, and are exceptionally clean. *Latantias* in another house show to good advantage and are going off fast, large and small; in the center-bed, elevated a few feet above the rest of the plants, is a row of specimens measuring from 4 to 7 feet across, which are a sight, everyone of the numerous broad leaves without a blemish. Smaller plants of the same popular palm fill the side benches.

A large three span house 50 feet wide contains at present *Pandanus utilis*, *Dracena fragrans*, *D. Lindenii*, *D. Massangeana*, *D. terminalis*, *D. Shepardi*, *D. Youngi*, *D. amabilis* and several others, some of them very large and furnished with foliage down to the pot. Two benches of specimen *Nephrolepis davalloides furcans* attract attention, for the size of the fronds is something abnormal. The best plants have to be elevated above the rest so as to allow the fronds to droop over the pots or pans in which they grow. Good prices must be realized

for such large plants, for they occupy an enormous space in the house. Specimens of *Cyathea australis* are also grown in the same house but only in limited quantity, because they require too much room if you want perfect plants.

A lean-to house next to this is filled with variegated *aspidistras*, every plant a specimen, well colored and with extra long leaves and petioles, some of them measuring 2½ to 3 feet. In one of the warmer houses we find the *Pandanus Veitchii* of all sizes, though no extra large ones are left now. The largest specimens went off fast this fall, but there is a goodly number of fair sized plants in 8 and 10 inch pots left, besides the smaller stock. A bench of *Cocos Weddelliana*, most of them 2 to 3½ feet in height and in most cases several of them planted in one pot are to be noticed for their dark green color. In another house a batch of *ardisias*, profusely set with berries just beginning to color, will be ready for Christmas.

Next we go into a cool house filled with *araucarias* of various sizes and varieties, *A. excelsa* predominates. Some very fine short jointed *A. robusta* and *A. glauca* of medium size are among them. *Phoenix* in variety, *rhapis* and a few other palms are also grown in lesser quantities, the demand for them having declined within the last few years, but small ferns, such as are used for fern-dishes or jardinières are grown extensively, but none are sold here in a smaller pot than a 3-inch, nor before the plants are compact and bushy. The beautiful *Selaginella Emiliana* and other lycopodes are grown here to perfection. A bench of *Adiantum Farleyense* of various sizes is in fine condition. Two large houses are entirely filled with specimen plants of the old marguerite daisy, and they are even at present a sight to behold. The bulk of them is really not wanted until Christmas and for the Easter trade, but some plants are sold nearly every day since fall trade begun



PARTIAL VIEW OF W. A. MANDA'S EXHIBITION, NEW YORK

Looking from one end of the house over the plants, they present an even surface like a large field of daisies covered with bloom.

Two more houses are entirely devoted to cyclamens, seed sown last November produced plants which are now in 6 inch pots with numerous flowers expanded and hundreds of buds at the base. The foliage is very luxuriant and well marked in most cases, it is stiff and very plentiful, covering and nearly hiding the entire pot. On enquiry as to how such remarkable results were obtained, I was told that the plants had been kept growing entirely under glass, were shaded and well aired during the summer months and had been repotted whenever the roots had fairly filled the pot. A light soil is used for potting and the plants had never suffered for the want of water; syringing in hot weather must not be neglected. Grown in this way, the result should be plants of good size and plenty of flowers on them.

Already a goodly number of azaleas have been placed in strong heat, so that there will be no scarcity of this most popular flowering plant for Christmas, while for Easter stock a number of cool houses are full of well shaped plants in all sizes up to 4 feet across. *Lilium longiflorum* and *Harrisii* both are grown, some of them well advanced and calculated for an early crop, others just barely above the ground for later. *Genista* large and small (some old plants are 10 feet high) fill several houses; *metrosideros*, *acacias*, *kalmias* and *rhododendrons* along with *hydrangeas* occupy cool houses and deep well protected frames, waiting for their turn to be taken into warmth when-

ever their time comes. Small lilacs in pots and pot roses are outdoors yet, for they are not wanted as yet. Some bulbous stock in 8-inch pans will also be forced later on to decorate the windows of the New York florists' stores.

For this same purpose orchids of a few popular kinds only, but in rather large quantities, are grown here also, one entire house is filled with *Cypripedium insigne*, all large plants in 9 and 10-inch pots, and these are studded with buds; which when opening will make a grand show. In another house a bench of *Zygopetalum Mackayi*, also all very large plants in 10 and 12-inch pots are in remarkable vigor and have given enormous spikes of bloom for the past month or so, some of them are in flower yet. Several hundred *Oncidium varicosum* in small baskets have very fine well branched spikes of flowers and are a grand show, the majority of the spikes being 3 to 4 feet long and a mass of bloom. Four or five thousand of cattleyas in 8-inch pans mostly *C. Trianae*, *C. Gaskelliana* and *C. Mossiae* are suspended from the roof of every palm house, thus economizing space, show flower sheaths in profusion. Some of the *Trianae* are quite forward and early, pushing the buds through the sheaths now, and will be in bloom in another week. There are no small pieces with one or two leads among the whole lot, good strong specimens only are wanted, and every pot will bring a good number of flowers. The bulbs and the leaves both are remarkably strong and of a dark glossy green which is attributed to the frequently repeated dose of manure water in the growing season. Several hundred *Vanda coerulea*

are in full bloom also, with extra large sized spikes, 12 to 20 flowers to each spike, and of a remarkable deep sky blue color, which latter is also claimed to be caused by frequent doses of liquid manure. In other places we may find a few more plants, which may be added to the list of popular market plants, such as *ericas*, *poinsettias*, the dwarf *Citrus sinensis*, *primulas*, etc. etc., but none of these are sold in such large quantities, or will give as good returns as the list of plants grown in the place mentioned, but we must bear in mind that no good plants can be produced where they are not allowed a very liberal amount of space.

J. B. K.

#### Glazing.

In a recent number of the AMERICAN FLORIST Mr. Scott recommends square glass in preference to oblong in glazing, butt jointed. When a box of any size glass is opened, particularly 16x16 and up, second and third grades, many panes are badly warped and of uneven thickness. Will he please tell through the FLORIST how a roof may be made tight, and why square glass is preferred.

"BUD."

I recommend glass that is square, say 12x12, 14x14 or 16x16, because if one edge is rough or bent you have another edge to help you out; that is why square glass is preferred to oblong. To all common glass there is a concave surface and there necessarily must be a convex. I tried one house with the concave down; this would throw the water from the bars

to the center of the glass and in theory it sounds right, but I found it very difficult to lay in this way, so I find the reverse to be the way. With the concave down you break too much glass when screwing down the caps. Always put the thin edge of the glass leading upward. You will readily see the reason for this. If a thin edge is butted against a thicker one going down the slope there would be a grand place for the water to lodge. The main points about butting glass is to be sure that the first or bottom light cannot move in the least; then you will have no trouble. The weight of the glass will always keep joints close. It is pleasant to hear from different parts of the country of converts to butted glass, which I am sure is the correct plan for a commercial man when his place is not too near the smoke of a big city. WM. SCOTT.

#### Violets.

My violets seem perfectly healthy but do not bloom well. A new lot of fine leaves are starting under the older ones (smaller than the old leaves) but no buds are showing. I keep ventilators open at night and try to keep them as cool as possible. I gave them a light mulching a week ago. What is the trouble?

J. H. W.

The cause of the plants not blooming more freely, is that they are overgrown and the temperature too high. Keep them between 35° and 40° for three weeks if possible, then raise the temperature 5°. Patience is a sterling virtue in the violet grower. GEO. SALTFOORD.

#### Chrysanthemum Bessie Hollis.

This is a seedling exhibited by Mr. G. Hollis at the Toronto show, where it was given a certificate of merit and the cup for best seedling. It is a large dark yellow with broad incurved petals.

#### Boston.

The December meeting of the Gardeners' and Florists' Club was made interesting and memorable by the presence of Mr. John Galvin, who made a brief but entertaining address. Mr. Galvin is one of Boston's oldest and most respected florists, although he some years ago retired from active business life. His address was mainly reminiscent, and he told in an impressive manner of how he had made his first acquaintance with Boston at the age of 18, fifty-four years ago, and of his surprise after having had his training in a nursery of a century's standing to find that there was neither nursery nor greenhouse in Boston worthy of the name. He compared those days with the present, and in noting the advance made gave high praise to the Massachusetts Horticultural Society, which he asserted owed in turn much of its prosperity and history to the labors of the gardeners. In closing he said that in no place or society did he enjoy himself so well as among such men as he found about him in the Florists' Club.

The discussion that followed was in a similar line of thought. Warren Ewell acknowledged that he had plenty of reminiscences in his head, but said he was not old enough to tell them yet. Lawrence Cotter paid high compliments to the speaker of the evening, who he said had filled honorable positions in the state and city, and better still was a warm hearted gardener with a kindly feeling above all for the craft, and hoped that he might live many years to still shed lustre on the



NEW CHRYSANTHEMUM MODESTO.

profession. He created great amusement by asserting that a man beginning business in Boston half a century ago was fortunate in not being obliged to meet the lot of commission men and such artists that now abound in the grower's path.

P. Welch responding admitted prosperity in the commission business, but saw prosperity shining in the faces of the whole company about him likewise. Jackson Dawson told briefly of his own experiences, and Kenneth Finlayson counseled constant activity to maintain the high standard of the past, and to keep well abreast of the spirit of progress which now controls the country. Mr. Westwood, Jos. Clarke, Ed. Hatch and others also participated in the discussion, and at the close a rising vote of thanks was tendered the guest of the evening. A committee was then appointed to arrange for the annual club dinner, and with adjournment came the close of the club's work for the year 1895.

Business seems to drag. The animation and hustle incident to an ordinary December are lacking. The only exception seems to be the Christmas holly trade. Dealers are booking heavy orders and all signs point to a big demand for holly. Samples in market look well, berries being plenty and foliage good. As to prospects for Christmas flower trade everything is very unsettled and nobody appears to know his own mind. Thanksgiving business was good and stock well cleaned up, although at prices that might be called commonplace. The only sharp advance noted was on fancy varieties of carnations, which doubled up in price for a couple of days. Since the holiday prices have fallen off again and things have resumed old conditions. Carnations are over plenty at present and move rather slowly, unless of special grade. Among novelties now coming in may be men-

tioned coreopsis and freesias. Chrysanthemums have about disappeared for good.

David Fisher has devoted the greater part of his establishment at Montvale to adiantums, and now makes this practically his exclusive crop. The sort grown is Roenbeck's variety of cuneatum, and there are seven large houses of it. In some of the houses the ferns are planted on the original soil, the path being merely cut out, and the fronds hang over so luxuriantly as to almost completely obscure the path. These were top dressed at the time of planting, two years ago, and have had no dressing since. There are some disadvantages in planting this way. Picking is not so easy as is the case with pots and snail hunting is also more troublesome.

The annual exhibition of children's herbariums at Horticultural Hall on November 29-30, was as usual a very interesting event. The exhibitors showed a decided advance in the work of pressing and mounting, and the collections were throughout of a very high order of excellence. The largest exhibitor of flowering plants, Arthur E. French, staged one hundred and twenty-five specimens, and Phillip Barry showed one hundred additions to those shown by him last year. Colors of flowers were wonderfully well retained and many difficult subjects were preserved in great perfection. Sedges, grasses and ferns were also good. Botanical name, common name, and habitat were specified in every case.

The body of the late C. M. Atkinson was brought from England, where he died, and funeral services were held here on Thanksgiving afternoon. His late employers, Mr. and Mrs. John L. Gardner, also a number of his old associates attended. Interment was at Walnut Hill Cemetery, Brookline.



NEW CHRYSANTHEMUM BESSIE HOLLIS.

## Baltimore.

The market here has been rather overdone with chrysanthemums this time, and it is a question whether a good deal of the space that has been devoted to these flowers might not, more profitably, have been occupied by something else. What that something else could be is the question that makes one dubious. Perhaps, after all, chrysanthemums pay about as well as anything else would at the same season.

The show was a failure financially, although considering the greatly heavier rent paid this year, it may be considered fully as successful as last year's. There is no reason for being downcast over the result, as a week's difference in the time of holding it would probably have given us the finest display we ever had, and a most gratifying attendance. Anyway, the flower show has come to stay, and with the aid of past experience a united effort next year will accomplish great things. The first move has been made. A committee has been appointed to draft a schedule of premiums for 1896, and with eleven months to prepare in our growers will distinguish themselves beyond doubt.

Much amusement was had at the last club meeting out of a question from the box "How to make ficus branch without topping." Mr. Christie suggested laying them on their sides, and Mr. Chas. Hamilton gave the plan of a customer of his who suspended the plant upside down, with good results, as far as the branching was concerned, obtaining five side shoots on an eighteen-inch plant. Amid much laughter both schemes were decided impracticable.

Prices are not at all firm. Chrysanthemums range from three to ten cents for single stem flowers, and anything you can get for bunch stuff. Roses from \$3 for Perles to \$3 and \$5 for strictly first-class Brides, Kaiserin and La France; Beauties \$10 to \$15. Violets are much better in size and color, but do not bring over fifty cents per hundred except for very choice, which bring sixty to seventy-five cents. Carnations average one cent, although very choice stock has brought one and a half to two. Smilax plentiful at fifteen.

MACK.

## New York.

Trade on the whole is disappointing, although there is some change for the better since last report. Carnations appear to be in oversupply for the demand and lily of the valley, which showed signs of bracing up, is again on the downward move. Growers are changing round from one commission house to another in the old-fashioned manner and those who were supposed to be securely anchored to the New York Cut Flower Co. are no exception to the rule. Thanksgiving trade was fairly good and stock on hand after the day had gone was small. Colder weather would undoubtedly result now in a better general condition of trade and the chances would seem to be favorable. No special preparations for Christmas are yet noticeable and prices for the holidays are an unknown quantity, but the general sentiment seems to be against any very stiff advance in figures on regular grades of stock. Extra fancy varieties and novelties which are in supply short of the demand will soar as usual.

Mr. W. A. Stiles, editor of *Garden and Forest*, was recently appointed park commissioner by the mayor of New York, his term of office to extend over a period of five years. The mayor is to be commended for such a happy appointment.

## St. Louis.

Thanksgiving day has helped to stiffen up prices, but there is no such boom as we used to see. Taking it as a whole trade was good, this is the verdict of the wholesale and retail dealers. The supply of stock, particularly in roses and carnations, was rather light, but in quality up to the average. The market sold short early in the day. Beauties sold well and brought \$2 to \$4 per dozen. The price for the smaller varieties of teas was \$4 to \$5, the varieties that went at this figure were Mermets, Brides and Bridesmaid. Perles sold at \$3, Kaiserin very fine sold as high as \$7. In red roses Meteors went up to \$5. In carnations the heaviest demand was for red; Scotts and Daybreak all sold out early. Violets were short of the demand; single brought 25 cents and double \$1. Mums were plentiful except first-class stock, which was in active demand at from \$15 to \$20. Harrisii brought \$12. Romans have made their appearance and bring \$4. Valley and a few narcissus (paper white) went at \$4. Stevia, of which there is an unusually good supply at present, sold at 25 cents a bunch. The retail stores appear to be well supplied with funeral and wedding work, but the transient trade is not what it should be, and it is transient trade that most truthfully indicates the condition of business. Galax leaves are being used more than ever in made-up work. All of the wholesale firms who do a shipping trade report a heavy business in this line.

Tuesday morning lots of flowers came in frozen; the shipper must learn to pack them or his loss will be great.

The great Busch wedding, which will occur on Monday, December 16, will be one of the largest affairs of the kind ever seen in St. Louis; the floral decorations will be divided among three florists, Riessen Floral Co., C. Young & Sons and Ostertag Bros. Riessen will decorate the church and furnish bouquets, C. Young & Sons Co. will decorate the hotel and Ostertag Bros. the residence.

At the annual ball of the Daughters of the Confederacy held last week at the Merchants' Exchange, the hall was beautifully decorated with plants and wild smilax by the Ayers Floral Co.

Most of the florists are greatly troubled as to what to do about the shortage of Christmas green; they have lots of orders but can only get the green at an enormous price.

The next meeting of the Florists' Club will be held at the Odd Fellows hall Thursday afternoon, December 12, at 3 p. m., a large attendance is expected. The events of the meeting will be the essays of F. W. Ude, Jr., of Kirkwood, and E. H. Michel. We hope to see our suburban members out in full force.

The St. Louis Gun Club have a shoot every Sunday at R. F. Tesson's place at West Forest Park and some very good scores are made.

At the Bowling Club's roll Monday night, December 2, the Chinese were out in full force, while the Japs were short two of their best men, who would not risk the snow storm, as the experience of last Monday was too great for them. The largest single score as well as the largest total score was made by J. J. Beneke; single score 235, total in three



games 640. Emil Schray was second and F. C. Weber third. The scores were as follows:

JAPS.				
	1	2	3	Total
F. C. Weber, Capt.	158	139	205	502
J. J. Beneke	192	213	235	640
C. Beyer	—	—	—	—
F. Fillmore	182	167	146	495
John Young	144	167	170	481
E. Michel	—	—	—	—
Total	676	686	756	2118
CHINESE.				
	1	2	3	Total
J. W. Kunz, Capt.	126	160	147	433
C. A. Kuehn	158	162	132	452
E. Schray	147	203	212	562
Alex. Waldbart	154	154	145	453
C. C. Sanders	175	160	141	489
D. Helwig	—	147	160	307
Total	760	986	910	2696

J. J. B.

### Philadelphia.

There was nothing the matter with the business of the past week, everybody was busy and the wires were kept hot with demands for stock both for in and out of town orders. Thanksgiving Day trade was as good as ever, if not better. Violets and red roses were in great demand on account of the Pennsylvania-Cornell foot ball game which was played in the afternoon of Thanksgiving Day, and these flowers were soon as scarce as tickets for the game. There has also been a number of "coming out" teas at which the fair debutantes were almost lost to sight behind their numberless bouquets. One young "bud" received 38 and another a few days later was made happy with some 67, and several others the same day equaled as many more. There isn't anything mean above these productions, nothing is too good. Orchids, double violets, valley, Beauties and Belles and other choice roses are used lavishly, ribbons are also freely used, these beautiful clusters when arranged about a room are a decoration in themselves. About Thanksgiving time there was a great deal of buttonholing and hobnobbing among the growers and hustlers as they happened to meet in the various stores going their rounds in the mornings. There were whisperings and noddings, consulting books, etc., and bland and childlike smiles when asked what it all meant. Monday morning last, however, prices took a jump of about 20% to 30% and as all charged alike for the same grade of stock it was seen what the causing was about, \$5 is now the price for the best teas with a few fancies a dollar or two more. Perles, Gontiers, Niphetos, etc., go for \$3, Beauties sell \$3 to \$4 per dozen for the best, seconds selling for 1.50 to 2. Carnations bring from \$1 to \$2 per hundred, red the majority, selling for 1.50. Scott, Daybreak, McGowan, Buttercup and Cartledge are the best sellers. A few of the fancies bring \$3, but the quantity is limited. Valley sells for \$4 to \$6, the latter being Jurgens' best stock, handled by Pennock. Narcissus paper white and hyacinths are about and bring from \$3 to \$5. Some good mignonette is to be had at from \$2 to \$3 per hundred.

There are still quite a few 'mums about but many growers are cut out. Robert Craig has a good late yellow in his "Liberty," it is a very large, good but not regular formed flower, although round as a ball with heavy stiff stem, a splendid quality in a late 'mum. Mr. Harris has commenced to cut his "After the Ball," a large light pink and white with a yellow eye. It is a very showy variety but has not been sent out by him, although he has been growing it several seasons.

The meeting of the Florists' Club last Tuesday evening while not large was very interesting. Mr. Heacock's paper

on "Best method of conducting a chrysanthemum show," was full of ideas. The principle one, that the schedule should be gotten out at once while the last show was fresh in mind, is a good one. He also thought there should be more originality and an effort made to get new things so as to better interest the public.

Mr. Lonsdale thought that there should be a liberal premium offered for the best grafted plant, as one with several colors was sure to excite the interest of the general public. We call to mind a plant exhibited by Mr. Harris several years ago with some eight or ten different sorts grafted on it, which was a feature of the show.

Wm. Westcott thought that novelty was everything. He would like to see the four seasons represented by good floral artists and there were lots of other attractive features that could be introduced to get away from the stereotyped chrysanthemum show of years past. He even went so far as to say that the name ought to be changed. He too thought the schedule should be arranged at once. Mr. Eisele thought change and variety was good, Mr. Rust thought that there should be something new every day, as people came in and asked to be shown the entries of the day and were looking for something new all the time, and then it gave the papers something to talk about. Mr. Burton also spoke in the same vein.

Mr. Watson thought that new plants should be looked up as well as rare varieties, and private gardeners persuaded to bring their novelties. A small choice specimen was often as interesting as something more showy, but common. A committee was finally appointed to confer with the schedule committee of the Horticultural Society, and make such suggestions as they thought would tend to increase the interest in the exhibitions next fall.

An invitation was received from the H. A. Dreer Co. to visit their establishment at Riverton on the afternoon of December 27, taking a special car on the 1:40 p. m. train from Camden. This will be a fine outing for the club, and at the same time they will see a range of glass which is as fine as any in the world for its extent. We question if there is anywhere as convenient and economically constructed houses as their last large range just completed.

George Craig can now be called up by telephone, this important aid to his business being placed in his store last week. S. S. Pennock says he finds his long distance 'phone a great convenience. K.

The shooting match between the Florists' Gun Club of Philadelphia and the Hillside Gun Club at the grounds of the Hillside Club at Chestnut Hill last Wednesday resulted in the Florists' Club winning by 12 birds. Captain Burton made the highest score (21). The targets were "Blue rocks," and the number of birds was 25. Following are the scores:

HILLSIDES.		FLORISTS.	
J. Landis (Capt.)	10	Geo. Anderson	20
Morris Bisbing	19	A. B. Cartledge	17
C. Johnson	9	W. K. Harris	12
Chas. Snyder	20	C. D. Ball	16
Alex. Cail	17	Ed. Reid	14
A. Reinhardt	13	Geo. Craig	20
T. S. Carlisle	14	Chas. Kreis	6
W. Aiman	16	Lemuel Ball	11
T. Patterson	17	Thos. Cartledge	17
W. H. Lysinger	10	J. Wm. Colflesh	16
John Fertsch	17	Juo. Burton (Capt.)	21
Robt. Bisbing	16	W. Peters	20

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E. L.

### Chicago.

The commissioners of Lincoln Park are considering a proposition to add 500 acres to the area of the park by filling in submerged land. It will be another steal from Lake Michigan.

The Horticulture Exhibition Company has been incorporated with headquarters in this city, capital stock \$2,500, to exhibit horticultural products. Incorporators: Arthur Gillette, Frank B. Gorman and Frank F. Gozzolo.

Kennicott Bros. Co. and Bassett & Washburn are now so well fitted up in their new quarters at 88 Wabash avenue that no one would suspect they had recently been through a fire. The new location is decidedly superior to the old one, the building is a better one and more conveniently arranged. While the loss incidental to the fire is to be regretted they are certainly to be congratulated on the improved conditions that have resulted.

Mr. Julius Martini, who has a ten years' lease of both the greenhouses and store formerly conducted by Albert Fuchs, seems to be doing a good business. Some time ago he opened a branch store on West Madison street and the venture proved a wise one. Mr. Martini is a very pleasant gentleman to meet and is making many friends in the trade.

A rumor was current this week that Reinberg Bros. had suffered serious damage from a fire at their greenhouses. Investigation proved, however, that no such misfortune had occurred, the foundation for the rumor being the bursting of a 4-inch steam pipe, which caused trifling damage. A similar accident occurred again on Thursday night, the result of too sudden increase of pressure. The damage was small.

The retailers generally say that business is quiet, there being little on hand but funeral work. Colored flowers are much more largely used in this branch and people are becoming educated out of the use of set designs. A funeral arrangement which P. J. Hauswirth finds in especial favor among his customers is a sheaf of American Beauty roses backed with three cycas leaves and tied with violet ribbon. These flat bunches and crescent wreaths are certainly the most approved arrangements.

The market shows few changes from last week. There is not an oversupply of first-class stock, but a good many poor roses have resulted from cold dull weather. These hold at \$2 and \$3, better quality \$4, while Meteor, Kaiserin and Testout stand at \$5, \$6 being quoted for some extra high-grade stock. These three varieties are seen in fine quality at Reinberg's; Mrs. Rockafellow is also sending high quality Meteors to Corbrey's, and the stock is carefully graded before it leaves the grower's, as it always should be. Beauties are about the same as last week.

Carnations are none too plentiful; they average \$1.50, \$2 for fancies. W. N. Rudd is sending in Rose Queen to Corbrey, and this variety is held at \$2.50. This is undoubtedly the finest carnation now in the market; the color is beautiful, having really more life than our favorite Scott; the flower is double and well formed and the stem all it should be. It is a very good grower. Mr. Rudd filled a house with this variety, believing that any variety Mr. Simmons considered first-class would prove so, and his confidence is justified. He is also trying a number of the newer yellows and is especially taken with Dean Hole and Kitty Clover. The

latter is good grower and appears very prolific, but the flower is hardly as good as Dean Hole.

Romans and paper white have made their appearance; the former is held at \$5, paper white at \$4. Valley still stands at \$5, callas and Harrisii \$1 a dozen. Violets are scarce at \$1.50. Chrysanthemums are diminishing daily.

In town this week: L. C. Bobbink, Rutherford, N. J., representing the Horticultural Co., Boskoop, Holland.

#### Toronto.

The regular meeting of the Gardeners' and Florists' Association took place on Tuesday, a week later on account of the chrysanthemum show the week before; the attendance was very good. There was not much business on hand and the meeting adjourned at 9:30. Though short it was a pleasant evening, everybody seemed inclined to talk over show experiences, and long after the president had vacated the chair the boys were sitting or standing around the room in knots discussing matters. Mr. Hill, the treasurer, was there with his check book, paying prize money to the exhibitors who were present. The total amount paid out in prizes was \$704. There will be a small balance to the good when everything is settled up.

A very pleasant affair occurred at Mr. H. Dunlop's residence and greenhouses on Friday evening to which your correspondent was invited. After a first and substantial dinner (to which fifteen employees and a few others sat down) had been partaken of the party adjourned to the parlor and went through a choice program of vocal and instrumental music, a piano and clarinet duet by Miss Dunlop and Mr. W. Lawrence, songs by Mrs. A. Houle, also by Messrs. A. Houle, W. J. Lawrence, S. Manton and G. Manton, mandolin solo by Fred Brown, etc. After this cigars, bowling and bagatelle were indulged in in the shipping room. It was a most enjoyable evening.

Messrs. Gilchrist, Laing, Arnold, Mearns and Lilly were a deputation to the mayor last Thursday carrying a petition asking that the city institutions be debarred from exhibiting for competition at flower shows, and that the stove and greenhouse plants now at Exhibition Park be removed to Horticultural Gardens. The mayor promised that the matter would be considered. The parks and gardens committee will investigate next Friday and report to council.

There are still lots of chrysanthemums in the store windows, but their popularity is on the wane for this year, and roses and carnations are beginning to crowd them out. E.

#### Pittsburg.

The Florists' Club held a social meeting last week. Many of the members could not be present, on account of work on hand to be furnished for the demands of Thursday, but notwithstanding that we had a pretty good attendance. The evening was spent in bowling and when that was finished we adjourned for refreshments and distribution of prizes. These consisted of unknown articles contributed by members (excepting the first prize for highest score, a box of cigars given by the club, won by J. B. Murdock, score 226) securely wrapped so that no one could ascertain what they were, each one of the seven following members selected a package in turn: W. F. Lauch,

score 190, briarwood pipe; E. C. Ludwig, 183, box of doughnuts; H. Scherrer, 182, paper weight, polished wood from Jerusalem; Geo. Oesterle, 175, a small baseball bat; A. W. Bennett, 166, shaving glass; Julius Ludwig, 166, brick of Limburger cheese; A. F. Dalzell, lowest score, 82, package of candy.

A great deal of amusement was afforded when the packages were opened and the first social meeting this season was voted a big success.

Messrs. A. W. Bennett, E. C. Reineman and Geo. W. Burke made a fraternal visit to the Cleveland Club and to their chrysanthemum show, which they pronounce very good indeed. The only inhospitality shown them was by the weather clerk, who gave them rain, snow and wind in large quantities; the club one and all did everything to make their visit a pleasant one. They report that the club is getting everything well under way to assure the S. A. F. a cordial welcome and a successful convention.

The trade report is a very good one for the week, everybody busy as bees and prices fair.

Mr. James Semple had a golden wedding decoration and used only Golden Wedding and E. Dailedouze chrysanthemums for it; the effect was fine.

We are enjoying our first real touch of winter weather this week; everything is fast assuming a Christmas appearance and the florists are with the first show of holly and green up with the best. Business is very satisfactory as all are busy.

Mr. Hippard has given up his venture as a Pittsburg florist, returning to Youngstown, O., where his greenhouses are situated. He closed here on the 30th ult.

The chrysanthemum show at Schenley Park is over and the plants cut out. One houseful was distributed among the numerous hospitals in the two cities, Allegheny and Pittsburg. REGIA.

#### Cincinnati.

The storm November 25 did considerable damage to glass; all the growers suffered some loss. The wind blew a hurricane from the southwest for a couple of hours.

The market has improved the past week; prices remain the same. Chrysanthemums are well cleaned out; in another week they will be about over with the exception of some late varieties. J. M. McCullough's Sons were in the market with the first Romans, Chas. Getz with narcissus, and H. L. Sunderbruch with best Harrisii. Saturday evening found the commission houses well cleaned out of stock. Retail stores report good trade for the past week.

A. Sunderbruch's Sons had a good decoration at the Cincinnati club on Walnut Hills; it was for a wedding. Bridesmaid roses and pink 'mums were the flowers, palms, ficus and smilax were used in the hallways and on the stage. Electric lights were clustered with the plants and flowers. The tables were beautifully decorated with Bridesmaid roses and incandescent electric lights.

Two seedling 'mums from Nathan Smith & Son were judged by the committee November 30. Yanoma, white reflexed Japanese variety, cross between Snowball and white seedling from Boehmer; it received 88 points, and Rinaldo, bronze incurved, Harry May type; with the color of C. H. Wheeler, only more distinct. It resulted from Geo. W. Childs crossed with a bronzed Tuxedo seedling, received 86 points. The committee very highly com-

plimented Smith & Son on packing and labeling dates of their seedlings.

R. Witterstaetter has some good seedling carnations, one, a light pink, measuring 3 inches. It is a cross between Emma Woher and Kresken. Another is a white one that shows its third crop of bloom this fall; also a cross between Kresken and Scott, a very large pink.

Hoffmeister Floral Co. are cutting some fine Beauties. Our College Hill florists are happy; a good rain and electric cars from their place to the city since Thanksgiving.

R. J. Murphy's smoke stack blew down in Monday's storm. Mrs. Adrain is on the sick list.

The seedling carnation Flora Hill was shown by E. G. Hill & Co. instead of Rieman, as stated in the last issue.

WM. MURPHY.

#### San Francisco.

There has been no marked change in the condition of the market since last reports. The great supply of 'mums has shortened up considerably, and better prices are being realized than for some time past. There was an increase demand for yellow 'mums for the big Stanford-California football game on Thanksgiving Day, and the florists made arrangements for an extra supply. The violets as usual are very scarce and the price is holding up well. Californians are in great demand with a fairly good supply. H. E. Widener and H. Cannell are coming in in fine shape at present. If the growers here could get a large crimson or red chrysanthemum at this season of the year, it would fill a long felt want, as red is the Stanford college color, which creates a big demand for them at this present time. White chrysanthemums are rather scarce. The demand for roses is very slow, Beauty and Testout being the only ones called for. As yet no Harrisii have made their appearance, although some are expected soon. Carnations, especially Portia, are in big demand also with a rather short supply.

Mr. Daniel Driscoll has been seriously ill at Menlo Park, but is now out of danger much to the delight of his many friends.

Mr. Jas. Farquhar and wife of Boston were recent callers.

A florist named Bealy attempted suicide last Wednesday by shooting himself with a pistol at Redwood City.

We have seen a few bunches of the new violet "Golden Gate" lately in the market. It is a delightful shade of dark purple and is sure to become a great favorite when it comes before the public.

This has been a very peculiar season, up to the present time there has been no frost, which leaves everything alive outside. Former years have brought frost a month before this. The consequence is that flowers generally are cheaper this year than heretofore at the same time.

METEOR.

#### Syracuse, N. Y.

Messrs. Quinlan & Co. have completed their store and it is a beauty. The outside is painted white trimmed with gold, the inside is white trimmed with light blue, which gives it a very neat and tasty appearance, in fact it is hard to recognize that it is the old store. On either side of the door are two beautifully carved cherry semi-circular counters.

The conservatory at the back has been greatly enlarged and now measures 70x25 feet. In the center is a large table on which are arranged splendid palms,

ferns, crotons, 'mums, araucarias, etc. Side benches extend around the house and are filled with good plants. The floor is cemented at present, but will be laid with tiles later on. The partition between the store has been cut away, which throws the whole into one, and the view from the street is most attractive and inviting. On the right hand of the entrance to the conservatory is a magnificent ice box 8x6 feet and 8 feet high. The front is plate glass, and on each end are large mirrors extending from top to bottom. A very handsome desk stands next to this. It is safe to say that a prettier store cannot be found in this part of the state and it is one that Mr. Quinlan may feel justly proud of.

"What glorious weather, did you ever see the like?" And the oldest inhabitant, gave his verdict that it was the finest he ever remembered. This was before Thanksgiving and in consequence the trade amongst the florists was the heaviest ever known. Greenhouses and stores were crowded all day long Thanksgiving eve, in fact it struck one that people had made a mistake in the day and were thinking it was Xmas. If the trade is as large then in proportion it will be good indeed.

Mr. W. Meneally has opened a flower store at 212 James street. The windows have been filled with fine chrysanthemum blooms, of which he is a very successful grower. Many of his seedlings will compare very favorably with some of the best in the market. H. Y.

#### Milwaukee.

The past week has shown a decided improvement in trade. The demand for Thanksgiving day was equal to, if not better than last year, and prices ruled firm, all good stock selling out clean. Chrysanthemums are about all gone.

The regular monthly meeting of the Milwaukee Florists' Club was held Tuesday evening, but the cold night kept many members home looking after fires, and the attendance was somewhat light. The club will endeavor to organize a bowling club, and give various entertainments to arouse more interest and to draw larger attendance at the meetings. The club has some good vocal talent.

Some prominent funerals recently caused quite a run on white stock, and the advent of the social season is making the demand rather brisk.

Messrs. Edleson & Scott had a large decoration for a ball of one of the swell clubs, in which most of the 400 were in evidence.

Ellis & Pollworth have enlarged their quarters by taking in a neighboring store for the handling of Christmas goods.

INCOG.

Mr. Geo. Bliss, formerly with Currie Bros., has established himself in the retail business at the corner of Wisconsin street and Broadway.

Orders for bouquet green keep arriving, but are not filled. Wild smilax and holly are being used earlier and in greater quantities than usual; their use at the Deutcher Club Ball attracted considerable attention.

From what has been said it is fair to predict the formation of a horticultural society here this winter. Z.

#### Des Moines, Iowa.

The Des Moines Florists' Club met at A. Anderson's on the evening of November 25, in annual meeting and after exchanging ideas on 'mum growing pro-

ceeded to the election of officers for the ensuing year with the following result: Peter Lambert, re-elected president; J. F. Marshall, vice-president; J. T. D. Fulmer, secretary; R. L. Blair, treasurer.

Trade is picking up some and supply is adequate to demand. Some monster 'mums are being cut by J. Leidig, J. F. Marshall and Fulmer. Peter Lambert has a bed of Kaisersins, three years old, that is producing as fine buds as one could wish for. Zero weather has struck Iowa and coal bills rise as mercury (out side) falls. J. T. D. F.

#### Buffalo.

John C. Pickelmann, a florist, has assigned to John G. Pickelmann. The preferences are Ferdinand Doeber on a note of \$75; John G. Pickelmann, \$123 40 for stock; and G. H. Wende, \$100 for professional services.

#### New Notes.

LITTLE SILVER, N. J.—The greenhouses of the J. T. Lovett Co. were damaged by fire last week. Loss estimated at \$2,000.

ITHACA, N. Y.—The greenhouse business of Cook & Co. on Eddy street has been purchased by G. W. Hodge, who has been in the employ of the late proprietors for a number of years.

AKRON, OHIO.—Messrs. Flannagan & Co. are about to open a flower store on Main street. Mr. P. H. Haddon of Boston will look after the store, while Mr. F. C. Morley of Philadelphia will take charge of the greenhouses.

GALESBURG, ILL.—I. L. Pillsbury held a chrysanthemum show at his greenhouses under the auspices of a local charity. An admission fee of 10 cents was charged, the charity receiving the total amount paid for admissions and a commission on sales.

KALAMAZOO, MICH.—The Central Michigan Nursery Co. has been incorporated, with headquarters in this city. The capital stock is \$10,000, and the directors are S. A. Gibson, Chas. A. Maxsom, J. N. Stearns, E. D. Foster and J. Frank Cowgill.

SOUTH BEND, IND.—The consolidation of the stores of Messrs. Treanor and Rettig, which was done about two months ago, has proved a wise move, and both gentlemen are well satisfied with the results. They report an excellent trade.

LEXINGTON, KY.—Mr. John A. Keller has moved his store to 59 E. Main street, the principal business thoroughfare. The store is a decided improvement on Mr. Keller's former place, no expense having been spared to make it attractive as well as convenient. Mr. Keller contemplates adding two more houses to his plant.

MANSFIELD, OHIO.—The Berno Floral Co. have built two more carnation houses, one 40x10 and the other one 45x16. They have also rebuilt their boiler house, and have replaced their old boiler by one of a newer design and of greater power. Their chrysanthemum show, given under the auspices of the Baptist Church, was a decided success. Something decidedly new in Mansfield is their new delivery wagon. It is of a handsome design, and attracts a deal of attention.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

**SITUATION WANTED**—By a first-class florist for growing roses, carnations and violets; best of references; married. A, care American Florist.

**SITUATION WANTED**—Well up in growing of roses, carnations, decorative plants, etc.; 16 years' experience. Good references. C, care Am. Florist.

**SITUATION WANTED**—By a well experienced grower of roses, carnations, 'mums and general stock. Florist, care H. Vollmer, Bowmanville, Ill.

**SITUATION WANTED**—In Colorado by experienced lady decorator, designer and saleslady; good reference; state salary. 414 E. Porter St., Albion, Mich.

**SITUATION WANTED**—Young man of considerable experience, single as working foreman or assistant; good worker, A1 reference, competent. Address ABILITY, care American Florist.

**SITUATION WANTED**—Thorough, practical florist, to take charge, commercial or private place; competent, single, good reference. Address MANAGER, care American Florist.

**SITUATION WANTED**—By young man of considerable experience as assistant; references; northwest preferred. Address NELS PETERSON, Gen. Del., Minneapolis, Minn.

**SITUATION WANTED**—As foreman in commercial place; good cut flower and plant grower; best of references given; married; southern states preferred. CHAS. A. MOSS, Danbridge Pike, Knoxville, Tenn.

**SITUATION WANTED**—By young single man; ten years' experience in the country and England; a good all-round man for greenhouse work; very best of references; state wages. HARRY DONNELLY, 43 E. North St., Hagerstown, Md.

**SITUATION WANTED**—By first-class make-up and decorator, 12 years' experience; can do wire work; best of reference in regard to character and ability; able to take charge of store. Address F W S, care Wisconsin Flower Exchange, Milwaukee, Wis.

**WANTED**—Half interest in small florist business; 20 years' experience, single; good reference, first-class ability. Address BUSINESS, care Am. Florist.

**WANTED**—Young man, able to take charge of retail flower store; must be good designer and salesman. Address JULIUS MARTINI, Evanston Ave. and Sheridan Boul., Chicago.

**FOR SALE**—Fortune for live florist with small capital. Write me and I will prove it. Address NEW YORK, care Am. Florist, Chicago.

**FOR SALE**—Retail store in good location in Chicago. Established 13 years. Easy terms to right party. Address Box 12, American Florist.

**FOR SALE**—Old established florist business in good condition, 7000 feet of glass, 2 acres land, well stocked with roses, carnations, violets, and general stock, in eastern Connecticut. Would like to go into other business. For particulars address E & H, care American Florist, Chicago.

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H. P. LOW BUDDED.  
**LILAC** CHARLES X.  
MARIE LAGRAYE,  
pot-grown, full of buds.

Deutzia gracilis, pot-grown and others.  
Clematis, Kalmia, Rhododendron, Tree  
Pæonies.

**HEATHS** (Erica gracilis), \$35 per 100

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**Begonias, Gloxinias.**  
500,000 Bulbs of our Noted Strain for Sale.

PALMS, AZALEAS, FIGS, ARAUCARIAS SWEET  
BAYS, DUTCH BULBS, LILUMS, ETC.

The Best is Always the Cheapest. Write for Prices.

**TOEFFAERT & GEE,** GENDBRUGGE les GAND  
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A1 Quality, Small Profits, Perfect Packing, Prompt  
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**STRAW MATS** FOR HOTBEDS OR  
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Made by hand—any size—the best. Rye straw and  
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Fail to bear us in mind when in need of

**HOLLY** (Get There brand)  
**WILD SMILAX**  
**MISTLETOE**  
**CAPE FLOWERS**  
**IMMORTElLES**  
**RATTAN**

And in fact everything you need in the way of store and greenhouse supplies. We have no desire, as the boys say, "To throw Bouquets at ourselves," but would mention that the qualities we offer are **THE BEST**, and **OUR PRICES MADE FOR THE TIMES**.

**VAUGHAN'S SEED STORE,**

**New York:** 26 Barclay St. **CHICAGO:** 84 & 86 Randolph St.

## 40,000 CARNATIONS.

Field Grown.

	PER 100
DAYBREAK.....	\$5 00
NANCY HANKS.....	5 00
LIZZIE McGOWAN.....	5 00
SILVER SPRAY.....	5 00
AURORA.....	4 00
HELEN KELLER.....	7 00
FRED CREIGHTON.....	4 00
VIOLETS, MARIE LOUISE.....	5 00

All good strong healthy plants.

**ROGERS PARK FLORAL CO.,**

41 WABASH AVE., CHICAGO.  
 Mention American Florist

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Cut Blooms at Wholesale.

FIELD PLANTS AND ROOTED CUTTINGS  
 IN SEASON.

**C. J. PENNOCK,**

The Pines. KENNETT SQUARE, Chester Co., PA.

## CARNATIONS PEACHBLOW.

Rooted Cuttings ready April 1st, '96, \$5.00 per 100, and \$45.00 per 1000.

Book your orders early and be sure that you will get them. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

## Eldorado, Kitty Clover

The best **YELLOW CARNATIONS** to grow for profit. **ROOTED CUTTINGS** now ready, @ \$5.00 per 100. Also 30 000 strong rooted cuttings of suitable kinds for summer bloom.

**LADY CAMPBELL VIOLETS**, rooted runners, @ \$1.00 per 100; \$8.00 per 1000.

**W. R. SHELMIER,**

Chester Co., AVONDALE, PA.

## CARNATIONS, Strong Plants in Cold Frames.

E. G. HILL, PORTIA, FRED, DORNER, EDNA CRAIG, MME. ALBERTINI, WM. SCOTT, MRS. HITT, \$5.00 per 100.

All other kinds sold.

Terms, cash with order.

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Rooted Cuttings. Young Plants. Field Grown Plants in season. Write for prices.

**GEO. HANCOCK & SON, Grand Haven, Mich.**

# T. J. CORBREY & CO. OFFER

The finest and most complete line of all the leading varieties of

## Roses, Carnations, Violets,

and all other varieties of **Cut Flowers**.

We make a Specialty of Valley, Orchids and Asparagus, of which we always carry a stock.

WE PAY SPECIAL ATTENTION TO THE SHIPPING TRADE.

Send your orders by Mail, Telephone or Telegram, and we will attend to them promptly.

**T. J. CORBREY & CO.,**  
**59 Wabash Avenue, CHICAGO.**

## HERR'S CARNATIONS.

**ROOTED CUTTINGS** that will give good results, because they come from healthy stock, and will be well rooted when sent out.

**VARIETIES**—McGowan, Mrs. Fisher, Daybreak, Scott, Aurora, Sweetbrier, Rose Queen, Peachblow, Dorner, Stuart, Portia, Buttercup, Keller, Iago, Cartledge, Tidal Wave, and all novelties.

Don't place your order before writing to me, no matter if it's a hundred or a hundred thousand, I can fill it.

L. B. 496.

**ALBERT M. HERR, LANCASTER, PA.**

## ORCHIDS IN GREAT FAVOR FOR CUT FLOWERS.

During the past month the demand for Orchid cut flowers has been greater than the supply. We offer, until sold, good plants of leading sorts at \$50 per 100; and stronger plants, which we recommend to Florists, \$100 per 100.

**PITCHER & MANDA, Short Hills, N. J.**

## Best Quality Delaware Holly!

Laurel and Pine Festooning, Holly and Laurel Wreaths, Southern Needle Pines, Galax Leaves, English Mistletoe, Rock Ferns, Sabal Palms, Moss and Pine Green. All high grade goods. Ready for shipment after December 17.

Send for Price List.

**WELCH BROS., No. 2 Beacon St, BOSTON, MASS.**

## CLAY'S FERTILIZER

A Highly Concentrated Plant Food.

Used by the leading growers all over the world. Unsurpassed for **Roses, Chrysanthemums**, and all horticultural purposes. Genuine only in sealed bags with makers trade mark. For sale in the U.S. by the undersigned in 12 lb. bags at \$5 per bag f.o.b. Phila. 12 lb sample \$1. **G. C. WATSON, 43 N. 10th St., Phila.**

## Pansies Worth Raising.

Good medium sized plants from frames, \$5.00 per 1000. All others inaccessible at present. Cash with order.

**C. SOLTAU & CO.,**

199 Grant Ave., JERSEY CITY, N. J.  
 Near West Side Ave. Depot of Newark & N. Y. R. R.

**Peter Fisher, ELLIS, MASS.**

NEW AND TESTED

## CARNATIONS.

**ALEX. McBRIDE,**

## Carnation Grower

ALPLAUS, N. Y.

## SPECIALTIES

IN BEST VARIETIES.

**ROSES**, from 3-inch pots.

**CARNATIONS**, for fall delivery.

**CHRYSANTHEMUMS.**

**SMILAX.**

**VIOLETS.**

Prices low. Send for list.

**WOOD BROTHERS, FISHKILL, N. Y.**  
 When writing mention American Florist.

## Pandanus Veitchii

WE HAVE SOME EXTRA FINE PLANTS  
 TO OFFER AS FOLLOWS:

5-inch pots.....	\$1.00 each
6-inch pots.....	2.00 each
7-inch pots.....	3.00 each

**F. DORNER & SON,**

CASH WITH ORDER.

La Fayette, Ind.



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Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
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No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.

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FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure  
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Mamaroneck, N. Y.

Thorwald Jensen calls his place "Sunny-side." It is well named. A long low dwelling, on rising ground, with piazza facing the south and affording an uninterrupted view of Long Island Sound, 17,000 feet of glass in the rear, and the sun shines here if it shines anywhere. The genial proprietor himself is equally sunny, becoming serious only on occasions, as for instance when he expresses emphatic disapproval of the plan of incorporating Mamaroneck with the neighboring town of Rye, or when he puts a poser to his visitor, and demands to know the reason why the prices of flowers go down while the price of labor, coal, etc., stays up. Carnations are Mr. Jensen's specialty. A bench of Helen Keller here is alone worth going a long distance to see. Mr. Jensen says that this variety has acquired constitution now, and the sleepy and abortive buds that gave so much trouble last season are seen no more. Goldfinch gives great satisfaction. As grown here it is a fine flower, well formed and solid, a good keeper, and in his opinion the best yellow since Buttercup. Daybreak, Scott and Cartledge are all in prime condition also. Of the newer varieties Lilian Abbey appears to be all right, but Rose Queen is worthless here. Lady Hume Campbell is the only violet that thrives now in Mamaroneck, and a house of these is doing well. "Chrysanthemums? No, sir! Not one on the place."

SUBSCRIBER.—We cannot secure a proper answer to your inquiry about grape vines as you do not state under what condition the vines are grown. Name the variety and describe location and conditions of past season.

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JOEBERS IN  
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FLORISTS'  
VASES.

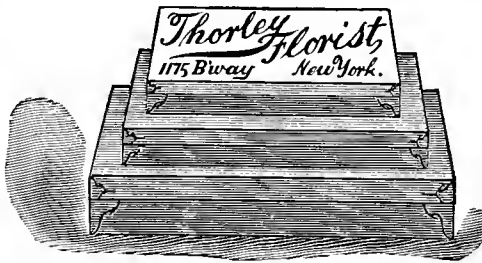
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BRIDES,  
GONTIERS,  
CARNATIONS,  
ALWAYS ON HAND.

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**A. & F. RÖLKER,**  
Down-town Wholesale Florists,  
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The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

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FOR USE IN TAKING ORDERS.  
Sets from \$1.75 up. 176 Subjects.

For Priced Circular, apply to Supply  
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A complete line of Wire Designs.

WISCONSIN FLOWER EXCHANGE,  
Cut Flowers, Palms, Ferns,  
AQUATICS.  
See our December Monthly before arranging for Spring  
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**The Boston Flower Market**  
is prepared to purchase, on order, and  
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sale. TERMS STRICTLY CASH.  
Address WM. J. KENNEDY, Mgr.,  
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**Cut Smilax**  
15 CENTS PER STRING.  
THE NATIONAL PLANT CO.  
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Folding Flower Boxes are the best  
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the market. They are made from  
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ers fresh, and the box holding its  
shape.

**THE NEW YORK  
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119 and 121 W. 23rd St., and  
112 and 114 W. 24th Street,  
IS NOW  
**OPEN FOR BUSINESS.**  
The Largest Dealers in  
**CUT FLOWERS**  
IN THE WORLD.

Handling flowers of all kinds in quantity  
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promptly. We shall give careful attention  
to this branch of the business, and solicit  
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THE FINEST STOCK AND SE-  
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New and Rare Plants for the Stove, Green-  
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Send for illustrated catalogue.

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Wholesale Growers of  
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We are prepared to fill your orders with first-class flowers. Give us a trial order.

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**COMMISSION FLORISTS,**  
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Consignments solicited. Prompt attention to all orders.

Wholesale Markets.

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NEW YORK, Dec. 3.	
Roses, Bride, Maid, Bride, Cusin, Watteville	2.00@4.00
" Meteor, Testout, Kaiserin	2.00@6.00
" Beauty, culis	1.50@5.00
" extra grades	10.00@40.00
Carnations, ordinary	.50@1.00
" fancy	1.00@1.50
Valley	3.00@4.00
Chrysanthemums	1.00@3.00
" fancy	5.00@12.00
Violets	.75@1.50
Harrisil	6.00@8.00
Romans	2.00
Adiantum	.75@1.00
Asparagus	35.00@50.00
BOSTON, Dec. 3.	
Roses, Gontier, Niphotos	1.00@3.00
" Perle, Hoste	2.00@5.00
" Bride, Bride, Maid, Mermet	3.00@8.00
" Meteor	4.00@12.00
" Beauty	5.00@25.00
" extra	25.00@50.00
Carnations	.50@1.00
" fancy	1.50@2.50
Violets	.50@1.50
Valley	4.00@5.00
Harrisil, callas	12.00
Paper white narcissus	2.00@3.00
Romans	2.00@3.00
Stevia, Marguerites	.25@.70
Pansies	4.00
Mignonette	8.00
Cyrtipediums	1.00
Adiantum	8.00@10.00
Smilax	50.00
Asparagus	50.00
PHILADELPHIA, Dec. 3.	
Roses, Beauties, selected	25.00@50.00
" medium	10.00@15.00
" best selected teas	4.00@5.00
" seconds and small stock	3.00@4.00
" Morgans and extra select teas	6.00
Carnations, general stock	1.00@2.00
" selected and choice kinds	2.00@3.00
Chrysanthemums, choice specimen blooms	15.00@10.00
" good medium flowers	4.00@10.00
" small stock	2.00@4.00
Mignonette	2.00@4.00
Valley	4.00@6.00
Violets, single per hundred bunches	3.00
" double	.75@1.50
Adiantum	1.00
Smilax	12.00@20.00
Asparagus	50.00@75.00
CHICAGO, Dec. 6.	
Roses, Beauties long	15.00@35.00
" short medium	8.00@12.00
" large teas	2.00@3.00
" select shipping stock	4.00@5.00
" Meteors, Kaiserin, Testout, extra	4.00@6.00
Carnations	1.00@1.50
" fancy	2.00@2.50
Valley	5.00
Violets	1.50
Harrisil, callas	8.00@10.00
Romans	5.00
No classis, paper white	4.00
Smilax	12.00@15.00
Chrysanthemums, select, per doz.	1.00@2.00
ST. LOUIS, Dec. 3.	
Roses, select stock	4.00@6.00
" ordinary	1.50@3.00
" Beauties long	15.00@50.00
" short	8.00@10.00
Carnations fancy	2.00@2.50
" ordinary	1.00
Valley	4.00
Harrisil	12.00
Romans	4.00
Violets single	.50@.75
" double	15.00@18.00
Smilax	10.00
Asparagus	2.00@15.00
Chrysanthemums	.75@1.00
Adiantum	1.75
Ferns, fancy	1.75
BUFFALO, Dec. 4.	
Roses, Beauties	12.00@20.00
" Meteors	4.00@6.00
" Bride, Maid, Mermets, Bride	4.00@6.00
" Cusin, Perle	3.00@5.00
Carnations, fancy	1.25@2.00
" common	1.25@1.50
" short	.75@1.00
Harrisil, callas	8.00@10.00
Valley	5.00@15.00
Chrysanthemums	3.00@4.00
Violets	.75@1.00
Adiantum	1.25
Smilax	12.00@15.00
Asparagus	50.00

**GEORGE A. SUTHERLAND,**  
Successor to PECK & SUTHERLAND,  
Successors to WM. J. STEWART.  
**Cut Flowers & Florists' Supplies**  
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67 Bromfield St., BOSTON, MASS.  
New England Agent for the GREAT ANTIPEST.

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**Wholesale Florists,**  
NO. 2 BEACON STREET,  
Near Tremont St., BOSTON, MASS.

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SPECIAL EXTRA STOCK OF  
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DISBUDED CARNATIONS.  
FANCY GRADE.

CATTLEYA LABIATA, splendid blooms.

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Roses Shipped to all points. Price list on application.

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**WHOLESALE • FLORIST.**

Careful Shipping to all parts of the country.  
Price list on application.

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**FRANK MILLANG,**  
**CUT FLOWERS,**  
WHOLESALE, COMMISSION,  
408 E. 34th Street,  
Cut Flower Exchange, NEW YORK.  
A first-class operating for a few good consignors.

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**FLORIST**  
111 WEST 30TH STREET,  
Established 1879. NEW YORK CITY.

**JULIUS LANG,**  
(Formerly with THEO. ROEHRs.)  
Commission Dealer in Cut Flowers,  
WHOLESALE,  
53 West 30th St., NEW YORK CITY.

## The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.  
S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-  
bers St., New York, Sec'y and Treas.

C. C. Morse of California is in New York.

THE Seedsmen's League had a dinner  
on December 3.

VISITED CHICAGO: T. S. Shedd of  
Johnson, Robbins & Co.

NEW YORK.—Mr. Buckbee, the Rock-  
ford (Ill.) seedsman, was in town this  
week.

NEW YORK.—It is understood that F. E.  
McAllister will remove from his present  
location to Cortlandt street.

NEW YORK.—Trade is reported slow.  
All are working now on catalogues.  
Really first-class novelties appear to be  
scarce this season. Some of the Euro-  
pean contracts are coming in considerably  
shorter than was anticipated.

## Remarks on the Bulb Trade.

SOME RESULTS OF A COLLISION BETWEEN A FRENCH  
FIRM AND THE ENGLISH LANGUAGE.

The efforts of foreigners to master the English  
language through books alone are generally amus-  
ing and the following business announcements  
made by a French firm through circulars seem to  
be clever specimens of this kind of work. They  
will be found especially interesting if read aloud.  
The circular begins with an "important notice,"  
as follows:

"The following remarks to inform you, that  
from the first day of apparition of our present  
second circular the Monopolizers failed the  
prices of some varieties of bulbs, prices indicated  
by circular or traveler or representative or other-  
wise. You will observe, that our propositions  
rest the same being done, that we work in fact as  
representatives of our customers and as them our ad-  
vantage is and will remain to safeguard their in-  
terests in all reports.

"We repeat that our prices are always these of  
direct purchase from the growers here with our  
commission."

"To you now to take advantage of the situation  
and to understand that the Monopolizers do all  
their possible to receive orders and to continue  
next season as the last years. We hope you will  
take advantage of these notices by remitting to us  
the safeguard of your interests."

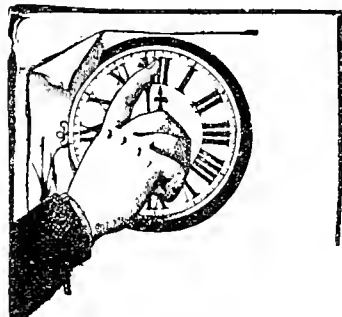
It then continues with this announcement:  
"We have all causes to be satisfied with the re-  
sults received the last months by our manner to  
trait the bulbs trade and are now able to give you  
some details concerning the situation.

"As we had the honor to inform you by our first  
circulars the bulbs trade has been in fact monop-  
olized as yet by some firms having the power to  
sell at conditions as they found good; our firm has  
now in some months with the help of several  
large bulbs buyers finished this system.

"Short time after the official information of our  
firm, after the expedition of our circular contain-  
ing our proposition the most serious measures has  
been taken in our country to annihilate our propo-  
sition, but without result. There has been offered to  
the growers high prices for goods without  
value and enormous prices for all sorts. This  
sort of manipulation had as result an augmenta-  
tion of the prices of all sorts of bulbs this year,  
but many large buyers of French bulbs having  
seen the causes of these manipulations, have re-  
mitted us all their orders and the safeguard of  
their interest. We do all our possible to procure  
good advantages to our customers and do not fear  
all following measures. When your engagement  
do not permit to you to give us your orders this  
year we hope to receive them later. On the other  
side we submit you the figures of the prices of the  
monopolizers, the courses at here and the differ-  
ence to your contolation. We beg to inform,  
that considering the important orders received  
and accepted with the very important sums ne-  
cessitated by our system, we can in future with  
some exceptions only accept cash orders at very  
favorable terms. Seeing the benefits to realize by  
our intervention we hope you will accept this  
condition."—New York Paper.

## A Perfume Problem.

The balance of nature has surely been  
somehow disturbed. It takes 800 expen-  
sive roses to make a teaspoonful of per-  
fume, while a penny-worth of cooked  
onions will scent a whole neighborhood.  
—Chicago Times-Herald.



## THE HOUR HAS ARRIVED

When it behooves every florist to take advantage  
of our offers:

WOOD PRESERVING PAINT, sample gallon.....\$1.25  
What you want to keep the rain and snow out.

FIR TREE OIL pint, 65c; quarts, \$1.10; gallon, \$3.50  
Excellent diluted for red spider—sure death.

HOLLY, Case of 16 cubic feet.....\$5.00

BOUQUET GREEN, Vermont Grown, 100 lbs. \$8.00

IMMORTELES, red, white, purple, yellow, bunch 25c

MUSHROOM SPAWN, and our culture on how to  
grow them for good results.....100 lbs. \$8.00

WM. ELLIOTT & SONS, 54 & 56 Dey Street, NEW YORK.

## NORTHROP, BRASLAN, GOODWIN CO.

Being **GROWERS** we are in a position to supply **Seeds of First-Class Quality** and  
to make **specialty low prices**. A trial will convince those who  
have not yet found this out.

**NORTHROP, BRASLAN, GOODWIN CO.**

20 to 28 Hennepin Ave., MINNEAPOLIS, MINN.

55, 57 & 59 N. Jefferson St., CHICAGO.

## THE BROWN BAG-FILLING MACHINE

Puts up seed in packets, takes all sizes of bags, gauges all quantities  
of seed from an ounce to a grain, seals up the bag, and runs  
three thousand per hour. Illustrated Circular on application.

THE BROWN BAG-FILLING MACHINE CO., Fitchburg, Mass.

Mention American Florist.

## XMAS.

VERMONT GREEN, per bbl. \$2.50. Now  
ready.

HOLLY (Genuine Delaware), green leaves,  
well berried. Ready Dec 10th.

MISTLETOE, by weight or case. Ready  
Dec. 10th.

SHEET MOSS (for Decorating), per bag \$1.10

Estimates furnished for larger quantities.

**HERRMANN'S SEED STORE,**

413 E. 34TH STREET,

Near Long Island Ferry, **NEW YORK.**

## CHOICE SEEDS.

**PETUNIA GRAND. FIM. FL. PL**

The largest and finest strain of double fringed and  
mottled Petunias to be had. All who see these Petu-  
nias say they are finest they ever saw. Extra.

**VERBENA GRANDIFLORA.**

This improved strain of Mammoth Verbenas gives  
perfect satisfaction to my many customers, and is  
justly claimed the finest in cultivation; flowers an inch  
in diameter, in extra large trusses, of finest colors.

**CYCLAMEN GIGANTEUM.**

A magnificent collection of the finest giant flowering  
varieties; largest flowers and best colors.

Each, per trade pkt., 2c.; 3 pkts., 6c.; 6 pkts., \$1.00.

I will here thank my florist friends for the many let-  
ters of commendation received during the past year.

**JOHN F. RUPP, Shiremanstown, Pa.**

**1,500 TUBEROSES,** 3-4 inches,  
for \$4.50.

**CALADIUM ESCULENTUM,**

Per 100  
3-4 inches ..... \$5.00  
4-5 inches ..... 7.00  
5-6 inches ..... 9.00

**C. H. JOOSTEN, 36 Dey Street, New York.**

## WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus

AND

**LILIAM HARRISII.**

Special low prices on application,

**WEEBER & DON,**

Seed Merchants and Growers,  
114 Chambers St., **NEW YORK CITY.**

Mention American Florist.

## TO CLEAR OUT STOCK

WE OFFER UNTIL SOLD

**HYACINTHS,** Per 1000

Mixed, single, bedding, good size.....\$14.00

forcing, in 3 colors ..... 17.00

Named, single, standard sorts..... 25.00

White Roman, 11-12 centimeters ..... 12.50

Blue white Roman 13-17 ..... 15.00

Double rosy " 12-15 " ..... 13.00

Blue " 12-15 " ..... 15.10

**Lil. Longiflorum,** 6 to 8 in. chr., true stock... 25.00

**Single Begonias,** in separate colors, now ready.

STRICTLY CASH WITH ORDER.

**HULSEBOSCH BROS., Englewood, N. J.**

WE ARE HEADQUARTERS ON  
**BULBS FOR FORCING,  
FLOWER SEEDS FOR FLORISTS  
ENGLISH MUSHROOM SPAWN.**

Special prices on application.

**JOHN GARDINER & CO., Seedsmen,  
631 Market St., Philadelphia, Pa.**

## BULBS.

**HYACINTHS, TULIPS, CRO-  
CUS, NARCISSUS,**

AND A GENERAL LINE. FINE STOCK.  
WRITE FOR PRICES.

**THE NATIONAL PLANT CO., Dayton, O.**

**OSCAR KNOPFF & CO.**

Seed Growers, Erfurt, Germany

**FLOWER, KITCHEN GARDEN, ETC. SEEDS.**

Lily of the Valley Bulbs, best qualities at low prices.  
Orders promptly executed. Seed prices (in-  
clude aster) reduced this season.

Medals awarded at World's Columbian Exposition,  
Chicago, and Mid-Winter Exhibition, San Francisco.

Sole Agents for United States and Canada;  
**C. B. RICHARD & CO., 61 Broadway, N. Y.**

Trade Catalogue for 1896 free on application.

## TELEGRAPH CODE

OF THE

**AM. SEED TRADE ASSOCIATION**

**\$2.00,**

In either stiff or flexible cover.

ADDRESS ORDERS TO

**AMERICAN FLORIST CO.,  
P. O. Drawer 164. . . . . CHICAGO.**



### Cyclamen Giganteum.

Now is the time to sow. New crop of Seed has just arrived in fine condition from the largest Cyclamen grower in Europe. 100 seeds 1000 seeds  
 Giganteum Album, white.....\$1.00 \$9.00  
 " Rubrum, red.....1.00 9.00  
 " Roseum, pink.....1.00 9.00  
 " Mixed, all colors.....1.00 8.50

### Verbena Seed.

New crop just received—grown for us by a specialist. Seed saved from MAMMOTH flowers only, and of strictly the brightest and most reliable colors, all with large distinct eyes. NOW is the time to sow seed if you wish strong plants **FREE FROM RUST.**

CHOICEST mixed, per oz. \$3 00; per 1/4 oz. 50c.

SMILAX SEED, New Crop, 40c. per oz.

Send for our Wholesale Price List, now ready, for a full list of Fresh Flower Seeds.

CANE STAKES, 6 to 9 feet long; extra fine quality. \$5 per 1000; 500 for \$3.

HENRY F. MICHELL,

1018 Market Street, PHILADELPHIA, PA.

## Complete Catalogue

OF  
 Fruit Tree Stocks, Ornamental Trees,  
 Shrubs, Evergreens, Roses, Etc.

Grown by

**P. SEBIRE & SONS,**

USSY, (Calvados), FRANCE,

will be mailed on application to their sole Agents,

**C. C. ABEL & CO.,**

P. O. Box 920. NEW YORK.

300 Acres in Nursery. 1 Acre of Glass.

### Specialties for Florists.

Cardenias, bushy, 15 to 18 inches.....\$12.00  
 Crevillea, 12, 18 and 24 inches.....\$8.00 \$8.00 & 15.00  
 Eugenia Jambos, 12-15 inches.....12.00  
 Camphor, 12-18 & 36-40 inches.....\$8.00 & 25.00  
 Cuava Red Cattley, 1-20 inches.....12.00  
 Magnolia Fuscata, 8, 15 & 20 in.....\$12. \$15 & 25.00  
 Olea Fragrans, 6, 10 & 20-15 in.....\$8. \$12 & 20.10  
 Oranges & Lemons, grafted on dwarf stock,  
 blooming size, stocky, 10-12 & 15-18 in.....\$25 & 40.00  
 Otaheite Orange, bushy, 10 & 12-15 in.....\$8 & 15.00  
 Stock of above all pot-grown, ready now to ship,  
 and in best possible condition.

FIELD-CROWN ROSES, including 10,000 M. Niel, budded; Fruit and Ornamental Trees, Rare Centifers, etc. Send for Trade List and Descriptive Catalogue.

**P. J. BERCKMANS,**

Fruiland Nurseries, AUGUSTA, GA.

## BOXES! BOXES! BOXES!

Three-Piece Wood Mailing Boxes.

The neatest and strongest box in the market.

Send 15 cents in stamps for sample nest.

We also make Cut Flower and Express Boxes.

Thin Lumber sawed to order for packing.

ADDRESS **W. E. SMITH,**

KENTON, Hardin Co., O.

## PROFITABLE SWEET PEAS.

FROM careful personal inspection of all the new and old varieties in the famous pea growing districts in California, and from actual selling qualities shown in the San Francisco Flower Market—the largest in the world for this flower—we find the following seven kinds, for size, stems, prolific habits and other most desirable qualities unequalled. They comprise the leading salable clear color—which are always appreciated. Fill seven vases each with 100 sprays of these, and set them in a row in your window, and you need fear no competition in your trade on this flower.

BLUSHING BEAUTY, clear Daybreak pink.

HER MAJESTY, pure solid rose.

FIREFLY, bright fiery scarlet.

EMILY HENDERSON, best florists' white.

COUNTLESS OF RADNOR, soft lavender.

MRS. ECKFORD, largest good yellow.

BLANCHE FERRY, early pink and white.

### PRICES.

1 ounce each, 7 ounces, postpaid, 35 cts.

2 ounces each, 14 ounces, postpaid, 60 cts.

1-4 pound each (1 1/4 lbs.), postpaid, \$1.00.

YOUR CHOICE, prepaid, ounce 5 cts., 1-4 lb. 20 cts.; 1 lb. 50 cts.

EMILY HENDERSON, 1b. 40 cts.; 3 lbs for \$1.00.

AMERICA, the new scarlet and white, pkt. 15 cts., 5 pkts. for 60 cts.

CUPID, dwarf white, pkt. 25 cts.



NEW YORK: **VAUGHAN'S SEED STORE,** CHICAGO: 26 Barclay St. 84-86 Randolph St.

## .... REMEMBER

**THE COTTAGE GARDENS, Queens, L.I., N. Y.**

Make a specialty of growing large quantities of

**NEW CARNATIONS,  
 NEW CANNAS,  
 NEW GERANIUMS,**

As well as the best tested Standard Commercial sorts especially for propagating young stock for **COMMERCIAL FLORISTS.**

ANY FLORIST can have our *December Trade List* by sending us his name and address.

**Give us a Trial Order.**

**G. W. WARD, Manager.**

## PALM SEEDS

VERY IMPORTANT: WE REPLACE ALL PALM SEEDS NON-GERMINATING.

PHOENIX CANARIENSIS	100 1000	\$50 \$3.00
" TENUIS		.60 4.00
" RECLINATA		1.00 7.50
WASHINGTONIA ROBUSTA		.25 1.50
BRAHEA FILIFERA, \$1.00 per lb.		
JUBAEA SPECTABILIS, the hardiest		
Palm of South America	1.25	10.00
CHAMAEROPS EXCELSA	.50	3.50
CORYPHA AUSTRALIS	.75	5.00
DRACAENA AUSTRALIS	.40	3.00
" NUTANS	.60	5.00
" INDIVISA	.25	1.50
" BAUERI	.50	4.50

Chas. Schwake, 404 E. 34th St., New York.

### The Great WORLD'S FAIR Success.

"Lemoine's Hybrids are the chief glory."

—American Florist, Aug. 17, 1893.

## GLADIOLUS Lemoinei and Nanceianus.

(150 first-class named varieties offered at low prices)

The best new Forcing Shrub

### Deutzia Lemoinei,

Each 5 francs; per dozen 48 francs.

Apply to **V. LEMOINE & SON, Nancy, France.**

New plants a specialty. Catalogues free.



**TRY DREER'S GARDEN SEEDS,**  
 Plants, Bulbs & Requisites.

They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

**HENRY A. DREER,**  
 Philadelphia, Pa.

When writing mention the American Florist.

## ASSIGNEE'S SPECIAL SALE

—OF—

## Hardy American Ornamentals

grown by the well-known

**HIGHLANDS NURSERY,**

conceded to be the finest collection of Native plants in America. A rare opportunity to secure rare stock.

WRITE AT ONCE,

**THOMAS F. PARKER,**

Assignee for Marlan P. Kelsey,

**KAWANA, N. C.**

## Plant Auction.

SALES EVERY TUESDAY AND FRIDAY THROUGHOUT THE SEASON.

**A. & F. RÖLKER, Auctioneers,**  
 106 Liberty Street, NEW YORK.

**W. A. MANDA,**

MERCHANT, GROWER, IMPORTER & EXPORTER OF

**FLORISTS'**

**Plants, Seeds and Bulbs.**

NOVELTIES A SPECIALTY.

The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

## Here's Your Chance,

As we must have room. We have a BIG STOCK of GERANIUMS on hand and must be sold.

Named Varieties.....\$15 00 per 1000  
 Rose Geraniums.....20 00 per 1000  
 Mme. Salleri Geraniums.....15 00 per 1000

All grown in flats in fine condition. Selection of sorts to remain with us. CASH WITH ORDER.

**J. E. FELTHOUSEN, Schenectady, N. Y.**  
 Mention American Florist.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



Zanesville, Ohio.

Mr. John D. Imlay's experiment in sending out eight hundred cards inviting the public to view the chrysanthemum show at his store November 6 and 9, proved beyond a doubt that an attractive flower show will invariably draw the best class of people. The store, spacious though it is, was utterly inadequate to accommodate all those who responded to the invitations. It was an immense success all around. The best specimens of the finest varieties of 'mums obtainable, were most artistically displayed about the store room on both days. That such a step is well worthy of imitation, especially by the florists of the smaller towns, where chrysanthemum shows on a large scale are beyond reach, goes without saying.

Mr. Imlay, by the by, believes in the power of the "printer's ink." He thinks that a neat advertisement in the local paper is a splendid investment and will accomplish just as much for the florist as it does for the dry goods man or any other merchant. Such at least, has been his own experience in this respect. X.

Worcester, Mass.

Thanksgiving week brought us the best business of the season. The death of Mrs. Matthew J. Whitall on the 25th occasioned a lot of work and a great many designs were turned out.

Thanksgiving trade was fully equal to last year and 'mums had the call; although there was not much of a surplus, we had flowers enough, with the exception of violets, and the quality was exceptionally good.

We didn't experience the usual reaction this year and continued good business is the rule.

Fine Romans, paper whites, bouvardia and stevia are now plentiful and we are getting good violets enough for ordinary demands, smilax is scarce.

W. E. Paine, lately in charge of the flower department of the Boston store, has started a retail business on Main street.

H. F. A. Lange is now on the third week of his annual deer hunt in the wilds of Maine. A. H. L.

Louisville, Ky.

Trade prospects are excellent and there is an encouraging demand for a better grade of stock. In roses American Beauty is a great favorite.

At the recent installation of newly elected city councilmen a large number of floral arrangements were presented by admiring constituents. Messrs. F. Haupt and S. J. Thompson received a large share of these orders.

Messrs. Lewis & Gilbert, who recently opened a store at 547 Fourth avenue report business good. Their store is large, well equipped and in the heart of the business center.

F. Walker & Co. have made extensive improvements in their down town store and conservatory.

Mr. Wm. Mann is known here as the "Calla lily king," and his callas are certainly fine. They have never been excelled here. X.

Per 100  
DRACAENA INDIVISA, 3 1/2, ready for 5 & 6. . . \$6 00  
CYPERUS ALTERNIFOLIUS, 2 1/2-inch. . . . . 2 50  
ADIANTUM GRACILLIMUM, 2 1/2-inch. . . . . 2 50  
PRIMULA JAPONICA, fine grade 2 1/2-inch. . . 2 50  
HYDRANGEA OTAKSA and THOS. HOGG, 2 1/2-in. 3 00  
BEGONIA METALLICA, 3 1/2-inch. . . . . 5 00  
ROOTED CUTTINGS of all general stock. . . 1 00

THE OAKS GREENHOUSE CO.,  
Wholesale Florists, Jackson, Mich.

## FOUND AT LAST!

The long-sought Pink Ivory. A peerless jewel among CHRYSANTEMUMS.

## MISS AGNES L. DALSKOV,

A sport from Ivory, a better keeper and of somewhat stronger growth, otherwise identical with the parent except in color, which is

### A BEAUTIFUL SHELL PINK

and shaded as delicately as the pink pond lily. This variety has been grown for three years by Mr. M. Hansen, New Durham, N. J., at whose place it originated. The blooms, during the present season, have had a phenomenal sale on the New York market.

Stock plants are now offered at the following prices:

PER HUNDRED.....\$175.00  
PER DOZEN..... 22.00  
SINGLE PLANT..... 2.00

Cash with order. **JULIUS LANG,** SELLING AGENT,  
53 West 30th Street, NEW YORK CITY.

## EARLIEST LARGE FLOWERING CHRYSANTEMUMS

### MARQUIS DE MONTMORT,

Much in the way of Vivand-Morel. Ready to cut Sept. 29th, 1895. Stock plants 50 cts. each; \$5.00 per dozen.

### MERRY MONARCH,

Earliest large white, cut on October 9th. Best early white to date. Price, 50 cts. each; \$5.00 per dozen.

NEMESIS, MISS M. M. JOHNSON, J. H. TROY, PARKER, Jr., 50 cents each; \$5.00 per dozen. MARION HENDERSON, MAJOR BONNAFFON, MADAME F. BERGMANN, YELLOW QUEEN, and all the staple varieties, 25 cents each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

DAILLEDOUZE BROTHERS, Flatbush, N. Y.

When writing mention the American Florist.

AZALEAS, Sander, Bruges, Belgium.  
PALMS, Sander, Bruges, Belgium.  
ARAUCARIAS, Sander, Bruges, Belgium.  
BAYS, Sander, Bruges, Belgium.

Agent: A. DIMMOCK,

106 & 108 Liberty Street, NEW YORK.  
SEND FOR SPECIAL OFFER.

## Radish, Lettuce.

The best Seeds  
of all the best  
sorts. . . . .

VAUGHAN'S SEED STORE,  
NEW YORK: 26 Barclay St.  
CHICAGO: P. O. Box 688.

**E. G. HILL & CO.,**  
**Wholesale Florists**  
RICHMOND, INDIANA.

## CHRYSANTEMUMS.

80 New Varieties, including

Miss M. M. Johnson, J. E. Lager, Philadelphia. Minerva, Marie Louisa, J. H. Troy, Mrs. Henry Robinson, Sunrise, Miss G. Pitcher, John Shrimpton, Royal Windsor, Mrs. S. T. Murdoch, H. W. Riegan, Miss F. Pullman and Zullinda. Fifteen plants for \$1. Send for catalogue. Address

M. B. LITTLE, Cienas Falls, N. Y.

### FERNS-SEEDS

in some of the best and current species low: Adiantum, Alsophila, Aspidium (Cyrtomium), Ballantium, Blechnum, Lomaria, Nephrolepis, Polypodium and Pteris. A portion 1 mark.

CASH WITH ORDER

H. HERBST, Wandsbek, Hamburg, Germany.

## Chrysanthemums.

Mrs. L. C. Madela, C. Chalfant, Eda Prass, Iora, Maj. Bonaffon, Monarch, Ostlich Plumes, H. L. Sunderbruch, Ed Hatch, Heron's Plume, Wm. Shrimpton, A. Bramhall, Mt. Everest, Pride California, L'Enfant des deux Mondes, Golden Hair, Fletcher & Manda, Marlon Henderson, Mrs. Lippincott, Sophie Slevers, Prairie Rose, Maud Dean, Dorothy Toler, Geo. S. Conover, Mutual Friend, Rohl, M. Grey, Capt. Alsworth, Fascination, Miss F. Thorley, Yellow Queen, Mrs. J. Geo. Hs. Golden Gate, Mrs. H. Arnold, E. Dailedouze, Inter Ocean, Challenge, Mrs. J. Jones, Mrs. J. W. Crouch, Mrs. A. J. Drexel, Mabel Simpson, Mrs. J. G. Whitliff, Mrs. E. G. Hill, Queen, Miles A. Wheeler, Tuxedo, Golden Wedding, V. H. Hallock, Harry May, Chas. Davis, Mrs. F. Bergmann, and many others

5 and 6-inch pots, 25c. each; \$2.25 per doz.

**JOSEPH BANCROFT,**  
CEDAR FALLS, IOWA.

## CHRYSANTEMUMS

All the best new and old varieties.

Send for List to

**EDWIN LONSDALE,**  
Chestnut Hill, Philadelphia.

### STOCK PLANTS

## CHRYSANTEMUMS.

Per doz. Per 100  
MME. F. BERGMANN.....\$2.50 \$15.00  
MARION HENDERSON..... 3.50 25.00

Now Ready.

**NATHAN SMITH & SON, Adrian, Mich.**

## PANSIES.

THE JENNINGS STRAIN OF FINEST AMERICAN CROWN PANSIES.

Small plants by mail 60c per 100; express \$5 per 1000. Seed of above strain \$1.00 per pkt. of 250 seeds. Cash with order. **E. B. JENNINGS,** Fancy Grower, Look Box 254, Southport, Conn.

# High Class NOVELTIES for the Trade.

**ASPARAGUS SPRENGERI**—Admirably adapted for all delicate decorations indoors. "Fronds quite fresh six weeks after cutting."—F. W. Burbridge in THE GARDEN. \$2.50 per 12; \$18.00 per 100.

**CHRYSANTHEMUM EMERALD GEM**—The GREEN Chrysanthemum said to bear flowers of beautiful green color. 6 inches, 25 per 12; \$30 per 100.

**CHRYSANTHEMUM WM. SIMPSON**—Best pink seedling, 1895. 12 per 12.

**COSMOS SULPHUREUS**—The GOLDEN Cosmos. very dwarf, bloom from June onward. SEED, \$3 per oz.; plants, 25 cts. each.

**CLEMATIS STANLEY**—The Os'rich Plume Clematis. \$30 per 100.

Clematis Mme. Edouard Andre, scarlet, \$15 per 100; Mme. Baroe Vellard, \$10 per 100, and others. All on their own roots.

**JUSTICIA VELUTINA**—A DWARF Justicia, highly recommended by Mr. Vilmorin as a florist's plant. \$2.50 per 12; 30 cts. each.

**GYNURA AURANTIACA**—A rival to Strobilanthes and nearly as old; beautiful velvety foliage. 33 cts. each; \$3 per 12.

**GERANIUM DOUBLE New Life**—Introduced by an English firm at \$2.50 per plant. 25 cts; \$2 per 12; \$8 per 100.

**YELLOW MORNING GLORY**—In bloom now; large clusters of bright yellow flowers. 25 cts; \$2 per 12; \$10 per 100.

**NEW ROSE CLIMBING METEOR**—A rival to Gen'l. Inequimino; grows 12 to 15 ft. in a season. 40 cts; \$2.50 per 12; \$12 per 100.

**THE GOLDEN RAMBLER ROSE**—A companion to Crimson Rambler, but blooms in spring and fall; bright yellow. 75 cts. each.

**DOUBLE RUDECKIA Golden Dawn**—We hail it with delight, as one of the beautiful perennials introduced for years.—Wm. Falconer. 40c. each; \$2.50 per 12; \$12 per 100.

**SCHIZOCOCCHON SOLDANELLOIDES**—A new and rare Chinese gem. Colored plates in THE GARDEN. 50 cts.

**RUELLIA DEVOSIANA**—Distinct and pretty basket plant. 30 cts; \$3 per 12.

**SOLANUM WENDLANDI**—Bears trusses of flowers 3 feet in circumference. Finest novelty for years. 40 cts; \$3.50 per 12.

**NEW SPIRÆA ANTHONY WATERER**—The pride of Waterer's introductions. "The ideal pot plant for florists."—Mr. Goldring of Kew. Flowers continuously; color bright crimson—will be grown by the million. 25c; \$2 per 12; \$8 per 100.

If you have not received our CATALOGUE OF NOVELTIES send your address for it to

**A. BLANC & CO., 314 and 316 North 11th Street, PHILADELPHIA, PA.**

## New Extra DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20 varieties, for only \$2 by mail.

CASH WITH ORDER.

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Lock Box 77,  
UPPER SANDUSKY, OHIO.

## CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery from March 1st. Cultivated Cycas always on hand, rooted and well established, at low prices.

Lil. Auratum, Spec. Rubrum and Album, Etc. Iris Kæmperli, in 100 choice varieties. Japanese Maples, in best varieties. Camellias, Pæonies, Tree Ferns, Rhaps. Etc. Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

**F. Gonzalez & Co.**

303 to 312 Wayne St., SAN FRANCISCO, CAL.

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**  
1708 N. Halsted St., CHICAGO

**SAINTPAULIA IONANTHA**—Beautiful violet like flowers. Quite distinct. 50c. each; \$4 per 12.

**TITE SHAMROCK PEA, or Blue Oxalis**—A veritable gem; cobalt blue flowers with pink eye. 25c; \$2 per 12; \$10 per 100.

**VITIS COIGNETIE**—A well-known English amateur could not sleep after seeing it and being told he could not get it. Foliage bright crimson. 4c; \$5 per 12; \$20 per 100.

**TECOMA SMITHI**—The dwarf Tecoma. Large clusters of orange flowers, one bloomer. 25c; \$2.50 per 12; \$15 per 100.

And many others—Such as New Chrysanthemums New Coleus, New Begonias, Dwarf Altamunda, Amsontia, Brunmansia, yellow and red; Eugenia, A. Chiosia, Caryopteris, Carex Japonica, Cuphea Eminens, Crotolaria, Calanchoe, Co. et Macrostemma, Ipomea Imperialis, New Hemerocallis, YELLOW Passiflora, Strobilanthes, Blue Solanum, Tradescantia Regine, Thysanocanthus.

**NEW CANNAS**—For years our Mr. Antoine Winter has been hybridizing Cannas, and he has now produced some remarkable new varieties, far superior to any of the French importations, all of which we have grown; among them are

**THE WHITE CANNA ALBACE**—A creamy white flower, vigorous and profuse bloomer, produced from 12 to 18 inches in a season from a single eye. Price, 50c. each; \$5 per 12; \$30 per 100.

**The Pink Ehemanni**—A seedling of Ehemanni, dwarf, robust, continuous bloomer; flowers upright, broad petals. Pronounced by Mr. O'Mara and Mr. Davis as a TRUE PINK. 50c. each; \$5 per 12.

**IMPROVED QUEEN CHARLOTTE**—Larger than the type, usually has 5 petals, color also more intense, larger truss; free bloomer. Stock limited. 75c. each; \$6 per 12.

**Golden Gem**—Nearly pure yellow; fine for pot culture; blooms outside even after frost. 50c; \$4 per 12.

**Fairy Queen**—Seldom over 18 inches. Same color as Queen Charlotte, the yellow instead of banding is mottled or marbled, even more so on reverse of petals; best form. 50c. each; \$4 per 12.

**Marigold**—Dwarf, not over 2 feet; foliage dense glaucous green; flowers large, well formed, petals 13 1/2 inches; rich orange, has less salmon or scarlet than any other so-called orange Canna. 50c; \$4 per 12.

**Coronet**—Semi-dwarf; might be called a TRUE YELLOW, having only a trace of orange russet on small petals; flowers 5 inches across; very free and continuous.

nous bloomer; healthy grower. EXTRA FINE. 70c. each; \$6 per 12.

**Rose of May**—Dwarf, 2 to 3 feet, flowers medium size, but of CLEAR PINK color free from salmon; free bloomer, large trusses. 50c; \$3.50 per 12.

**Crimson Glow**—Vigorous, 4 to 5 feet, flowers very large, produced on immense trusses; petals 1 1/2 to 1 3/4 inches wide; color glowing crimson, spotted with maroon, early and very free bloomer. More showy and effective on our own grounds than the famed Columbia. 60c. each; \$5 per 12.

**Favorite**—2 to 3 feet high, foliage bluish green, flowers large, petals 1 1/2 to 1 3/4 inches wide, well rounded and of good form. Color, the pure red (?) of Mr. Mathews' chart. A free and continuous bloomer. 50c. each; \$3.50 per 12.

**Philadelphia**—2 to 3 feet, flowers very large, color bright solid scarlet, petals 1 1/2 to 1 3/4 inches, extremely showy. Pronounced by Mr. Falconer THE FINEST RED in his collection—which includes all the best. 60c. each; \$5 per 12.

**Primrose**—4 to 5 feet; foliage quite leathery, flowers full size, well formed petals short thick flowers not crowded; color a pure sulphur yellow without spots; flower spikes remain fresh for a week. Has also bloomed with temperature down to 35. 50c. each; \$3.50 per 12.

27 The entire collection of 12 very distinct Cannas sent by express for \$6.00. Prices will remain the same during 1895.

## OTHER RARE BULBS.

**Purple Fringed Calla**—Arisema Fimbriata. \$30.00 per 100.

**Hematanthus Kalbreyeri**—Most beautiful. \$30.00 per 100.

**Mycosma Cannefolia**—Pure white, sweet-scented. \$20.00 per 100 and many others.

## IN SEEDS.

**Imperial Ipomea**—The most gorgeous ever grown. 10 colored plates. \$1.00. Seed \$10.00 per 1000.

**Dwarf Yellow Flowering Pea**—A first-class novelty. A dwarf annual bearing in profusion a mass of golden yellow, sweet pea-like flowers. \$1.00 per oz.; \$10.00 per 1000.

**NEW FRUITS.** The Logan Hybrid Berry—A Raspberry Blackberry. \$25.00 per 100.

The Strawberry Raspberry. \$1.00 per 100.

The Biemack Apple. \$12.00 per 100.

Burbank's Mayberry. \$6.00 per 100.

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, Chinas, Bourbons, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

## ONE THOUSAND CAR LOTS OF OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf.  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR. 1000 ACRES. 29 GREENHOUSES.

## THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

## 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

**J. L. DILLON, Bloomsburg, Pa.**

## FERN SPORES.

H. B. MAY offers the above in about 200 of the best and most useful varieties. All spores carefully saved from own stock, which is the largest in the trade.

Priced List on application.

H. B. MAY, Dyson's Lane Nurseries,  
Edmonton, London, England.

## Palms & Ferns.

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 4 & 5-inch \$3.50, 20 for \$6; 6-inch, for \$5. All good selected varieties. Special sale: Choice FERNS, \$5.00 and \$6.00.

ROSES AND GERANIUMS, LABELS, MOSS, ETC.

**WILLIAMS & SONS CO., Batavia, Ill.**

## DOUBLE PETUNIAS.

In 10 varieties, \$1.25 per 100 by mail. Orders booked now for Rooted VERBENA CUTTINGS, 20 vars., \$5.50 per 1000, express prepaid.

C. HUMFELD, Clay Center, Kan.

## GERANIUMS.

### ROOTED CUTTINGS.

Most approved bedding sorts, largely Semi-Double and Single scarlets. Double and Single white, pink, salmon, dark crimson and a variety of other choice colors.

Price in assortment, \$12.00 per 1000 labelled, \$10.00 per 1000, or \$1.50 per 100 not labelled.

Herr's Fancies. A strain right up to the top notch of perfection, 75c. per 100; \$5.00 per 1000.

Stock grown by Daniel K. Herr.

**ALBERT M. HERR,**  
LANCASTER, PA.

## CLEMATIS,

Strong one year, mostly Jackmanni, potted up now will make fine blooming plants for spring sales. \$2.00 per dozen; \$15.00 per 100.

**F. A. BALLER, Bloomington, Ill.**

## Springfield, Mass.

The annual meeting of the Hampden Horticultural Society was held November 26. The report of the secretary was on the whole quite satisfactory, coming out quite even on expenses, which is considerable of an improvement over last year.

The officers chosen were as last year with the exception of Mr. Bond, the treasurer, who felt that he could not give the necessary time, so W. G. McIntyre was chosen in his place.

There was a board of 28 directors chosen, also a Ladies' Advisory Board, a new feature that they hope much from, and the other officers as follows: Pres., E. P. Chapin; First Vice-Pres., R. H. Smith; Second Vice-Pres., C. W. Bryan; Third Vice-Pres., Geo. S. Lewis, Jr., Secretary, W. F. Gale. For Professor of Horticultural Chemistry, S. T. Maynard of the Amherst Agricultural College has consented to serve, and Miss Mabel Young, a teacher in our High School is to be Professor of Botany and Entomology, in place of Miss Lora Guild, deceased.

A debutante's reception was the society event of the week. The decorations were entirely of yellow and white, mostly chrysanthemums, and were in the hands of Florist Gale.

Florist shops were closed at 1 p. m. on Thanksgiving Day. All report a very good trade indeed, although people were late in giving their orders. Chrysanthemums were fine and were given a most liberal patronage. Violets also sold well. Prices did not advance any.

C. R. Miller & Co. are making extensive alterations, and expect to have a finely equipped store for their line of business. Among other things they will have a cash system.

The old McCrone greenhouses at Thompsonville, which covered a half acre of ground, have been torn down and the land sold to settle the estate. B. M.

## St. Paul.

Thanksgiving sales were very good. Weather was nice, and buyers plentiful. Everything sold well, 'mums taking the lead. Flowers were plentiful, with the exception of Beauties.

Since then trade has been a little dull. 'Mums are nearly all gone; roses and carnations are quite abundant. Prices are maintained, and there has been no perceptible change in retail prices since October 1. Everybody is praying for bright weather now to bring out the blooms for Christmas. This will insure more and better flowers, lower prices and better trade.

Our first zero weather is now at hand, but there is but little snow on the ground, while the days are clear and bright.

J. M. Kimberlin and grandson were recent callers. FELIX.

## M. RICE & CO., Florists' Supplies,

23 & 25 N. 4th St., PHILADELPHIA, PA.  
Send for Catalogue.



## WHITE DOVES FOR FLORISTS.

Largest and finest stock in the United States. Write for prices to

S. J. RUSSELL,  
203 Summit Ave., JERSEY CITY, N. J.



wouldn't pay to deliver Tobacco Stems (strong fresh ones) at every city and town West at rate 75 cts. 100 lbs. (500 lbs. in bale), but tell me where you live and I will see what I can do. I've got lots of awful strong Tobacco Dust, \$4.00 big bbl. full; I might deliver it too; ask about it.

H. A. Stoothoff, 331 Madison Ave.,  
New York City.

## Xmas Holly

Our Holly is as good as any on the market; well berried, and in every respect A1—as anyone who has bought it will testify. Order early, and be sure of getting it.

### PRICES AS FOLLOWS:

Single Case \$5.00. Half Case \$3.00. Two Case lots \$9.50. Five or more Cases \$4.50 each.

American Mistletoe, well berried, per case. . . \$8.00  
English Mistletoe, large bunch, well berried. . . \$3.00

We are also prepared to fill orders for Cut Flowers in any quantity, at lowest market rates.

N. F. MCCARTHY & CO.,  
84 Hawley Street. BOSTON, MASS.  
Mention American Florist.

When you write an advertiser please state that you saw the adv. in the FLORIST.



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When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

# Order Now.



## Metal Floral Designs,

For the Holiday Trade,

At 35 cts., 45 cts., 50 cts., 75 cts., 85 cts., \$1.00 and upwards. For particulars see our new Fall Trade List for 1895.

We call your attention to our

## New Weatherproof Wreaths

of green foliage and specially prepared flowers quoted and described on page 3 of our list. They cost 45c, 60c, 75c, 90c, \$1.00, \$1.25 and \$1.50 each.

## Xmas Holly,

The best, well-berried Delaware stock, specially gathered and put up for our trade. Single cases, \$5.00 net; larger quantities, \$4.50 net per case.

## Vermont Bouquet Green

In A1 quality, we offer in original-weight bags of about 40 lbs. at rate \$8.00 net the 100 pounds.

## Special Xmas Collections of



## Flower Baskets,

Plain and fancy, in many new and tasteful styles. Composed of the best and latest designs in Celluloid, Raffia and Cane, tinted, braided and other finishes.

Collection A for Fifteen Dollars.

Collection B for Twenty-five Dollars.

For further detail, compare our latest trade list, containing likewise a full line of all

## Florists' Supplies

useful for store and greenhouse work. If you have not received a copy, send for one with your business card. We sell at wholesale only. Address

August Rölker & Sons  
136-138 W. 24th St., New York.

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**VARIETY?** Nowhere in America can so complete an assortment be found.  
**QUALITY?** We manufacture; we buy from first hands, personally selected goods; we handle no surplus or refuse stocks.  
**PRICES?** Ah! There is where we are at home again. Our prices are the lowest in the country. Others may take off their large cash discounts and we are still away below them.

## THE GREAT HEADQUARTERS FOR FLORISTS' SUPPLIES.

**Baskets, Jardinieres, Ferneries, Metal Designs, Porcelain Flowers, Preserved Palms, Cycas Leaves, Letters, Inscriptions, Doves, Sheaves, Cape Flowers, Immortelles, Grasses, Etc., Etc.**

All listed in our New Catalogue which you may have on application.

☞ Let us know your wants. We quote you net prices at once. We fill your orders promptly, all in one shipment, and nothing left out.

## H. BAYERSDORFER & CO.

MANUFACTURERS AND IMPORTERS OF FLORISTS' SUPPLIES,

WHOLESALE ONLY.

56 North Fourth Street, PHILADELPHIA, PA.

## XMAS



AND  
**THE HOLIDAYS**  
 without Kelsey's **RICHLI**  
**COLORED** Southern  
 (Green and Bronze)

### Galax Leaves,

has become what it always was minus **Holly** and **Mistletoe**—"A Haythen Chinee

affair" (Xmas is coming, **won't wait**; do you see the point?)

Enclose 700 by mail (paid), \$1 00.  
 Cash. 5000 assorted, Frt. or Exp. with 25  
 sprays of our beautiful new  
 Leucothoe, \$3 75.

**BETTER STILL.** 50 Brilliant Galax and a few  
 sprays (with information) **FREE**, to any Florist,  
 who asks.

Ask of the **Introducer,**  
**Highlands Nursery, KAWANA, N. C.**

## BRILLIANT GREEN AND BRONZE GALAX LEAVES.

**LARGE AND SMALL SIZES.**  
 I have at last secured a special, greatly  
 reduced Express rate to all points.  
**SEND YOUR HOLIDAY ORDERS EARLY.**  
**ALL WHOLESALE FLORISTS,** or write  
 for price and free sample to

**CHAS. H. RICKSECKER,**  
 LINVILLE, Mitchell Co., N. C.

## Sutherland's Holly.

**Special Quality.** Selected for best store trade.  
 Rich green and glossy; abundant berries.

Single Case, 16 cubic feet, \$5.00. Five Cases in one shipment, \$22.50.

**Order now and YOU WILL GET IT.**

**PALMETTO LEAVES,** - - - dozen 75c.  
 " " - - - hundred \$4 00.

**LONG NEEDLE PINES,** from 1 to 7 feet high,  
 30 cents to \$1.00 each.

## Geo. A. Sutherland,

(Formerly WM. J. STEWART.)

67 BROMFIELD STREET, BOSTON. MASS.



FANCY.



DAGGER.

## EVERGREEN CUT FERNS

**ESPECIALLY FOR FLORIST'S USE.**

**\$1.25 PER THOUSAND FERNS.**

IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns fur-  
 nished the year round. Special attention given to supplying  
 the Wholesale Trade.

**BOUQUET GREEN.** For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred  
 pounds. Special reduction on wholesale lots.  
**SPHAGNUM MOSS** a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels  
 for \$5 00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.**

## 15,000 Xmas Trees.

**EVERGREEN WREATHING,  
 HOLLY.**

**EVERGREEN WREATHS.**

**Palmetto Leaves, Crowns, Etc.**

H. BORNHOFT, 616 Fullerton Avenue, CHICAGO.

## FOR SALE.

One Walker & Pratt Boiler, sixteen  
 section, in good condition. Suitable  
 for either steam or hot water. Price  
 low. Apply to

**HOLT HEATING CO.,**

90 Union Street, BOSTON, MASS.



## News Notes.

DEFIANCE, O.—C. F. Fillman has removed the greenhouse recently purchased from C. Schaeffenberger to his place on Seneca street.

BROOKLYN, Md.—John M. Rider has started in business here growing carnations and violets, with a glass area of about 3,000 feet.

DEXTER, ME.—C. H. Hayden has added a new carnation house 12x60 and office 14x15. He reports business as very good, with an increased demand for carnations.

SAN ANTONIO, TEX.—The Logura Modre Horticultural Company has been incorporated with headquarters in this city. Capital stock \$10,000. Incorporators: James Anderson, G. Stuart Simons, Sam M. Johnson and Charles W. Ogden.

ANNA, ILL.—At the meeting of the Horticultural Society of Southern Illinois the following officers were elected: R. T. Fry, Olney, president; J. W. Stanton, Rich View; L. N. Beal, Mount Vernon, and D. W. Prindle, Villa Ridge, vice-presidents; E. G. Mendenhall, Kinmundy, secretary and treasurer. Cairo was selected for the next place of meeting.

WASHINGTON, LA.—We have had no cold weather yet, the thermometer standing at 72° this morning (November 25). Tea roses are blooming beautifully in open ground and camellia buds are beginning to show color. T. Jay Lacy & Co. want to know where and with whom the California violet is prospering. Their plants are blooming but are nothing extra fine.

THE Fertilizers Manufacturers' Association at Nashville, Tenn., elected officers as follows: President, A. T. Whitman, secretary of the Northwestern Fertilizer Company, of Chicago; vice-president, W. C. Sadler, secretary of the National Fertilizer Company, Nashville; secretary and treasurer, H. B. Hinchman, secretary of the Loudenbach Fertilizer Company, Urbana, Ohio.

MINNEAPOLIS, MINN.—R. J. Wessling has had plans prepared for a greenhouse plant, complete, to be built between Hennepin and Humboldt avenues, near Thirty-sixth street. The houses will occupy ground space 120x200, with a central heating plant of brick, a brick smoke-stack, and will have boilers arranged for steam or hot water circulation. The foundation will be put in immediately, and the rest of the work will be done in the early spring. Cost \$10,000.

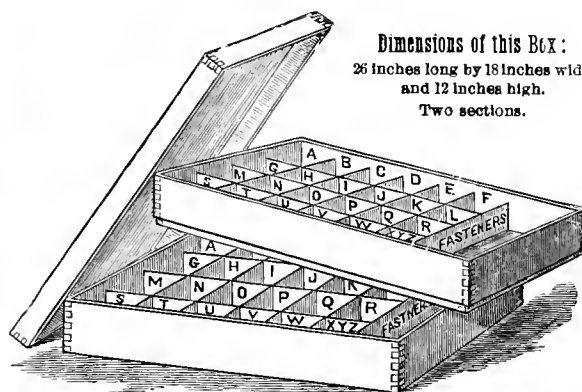
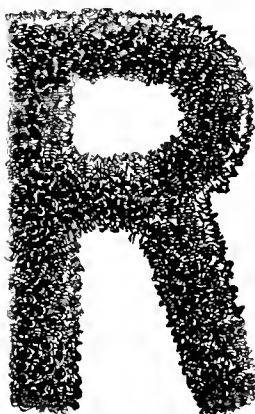
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of all grades, sizes and values, direct from the best Potteries of England, France, Germany, China Japan and the U. S.

WHOLESALE AND RETAIL.  
120 Franklin St. cor. Federal, Boston, Mass.

**SAVE YOUR \$\$\$**  
by using our  
**HANDY SASH LIFTER.**  
For prices, apply to

**GEO. W. HAMILTON,**  
167 Sydney St., DORCHESTER, MASS.



Dimensions of this Box:  
26 inches long by 18 inches wide  
and 12 inches high.  
Two sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

## BOSTON FLORIST LETTER CO.

Manufacture the Best Letters in the Market.

Sizes 1½-in. and 2-in. 2.00 per 100. Patent fastener with each letter.

OUR NEW SCRIPT LETTER, \$4.00 per 100.

**N. F. MCCARTHY,** 13 GREEN ST.,  
Treas. & Mangr. Boston, Mass.  
Office, 84 Hawley Street.

We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers Boston.

## ESTABLISHED 1866. FLORISTS WIRE DESIGNS MANUFACTURED BY N. STEFFENS 335 EAST 21ST ST. NEW YORK.

SEE WHAT PEOPLE SAY ABOUT . . . . .

or MEAT SAW THE "NEW DEPARTURE"  
Ventilating Appliance.

**J. D. CARMODY,**  
EVANSVILLE, IND.

DEAR SIR:—The apparatus is up and works fine. I am well pleased with it. Enclosed find check.  
Yours truly, W. V. DRYEE, Mattituck, N. Y.

**HOT BED SASH.** We carry a large stock of regular size, 3x6 ft. It will pay you to send for our prices  
VENTILATING SASH. ALL SIZES TO ORDER.  
**FINN, COLE & CO., 8 HOWARD ST., N. Y. CITY.**

**DEATH TO INSECTS**  
**Rose Leaf**  
EXTRACT OF TOBACCO.  
PRICE REDUCED  
**5 Gallons for \$5**  
Louisville Spirit Cured Tobacco Co.,  
LOUISVILLE, KY.

When writing mention the AMERICAN FLORIST.

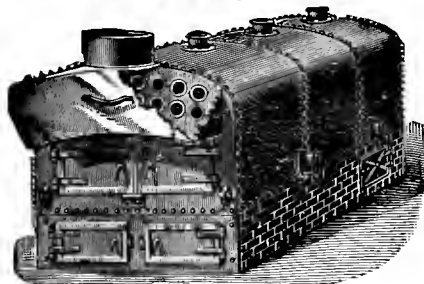
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contains more plant-food in one hundred pounds than is contained in one ton of any natural manure.

**Liquid Manure**  
made from it is cleaner, cheaper and better than from any other source.

In 10, 25, 50 and 100 lb. packages for florists' use. Write for trade prices and pamphlet.  
**ROBT. L. MERWIN & CO., 88 Wall St., N. Y.**  
Mention American Florist.

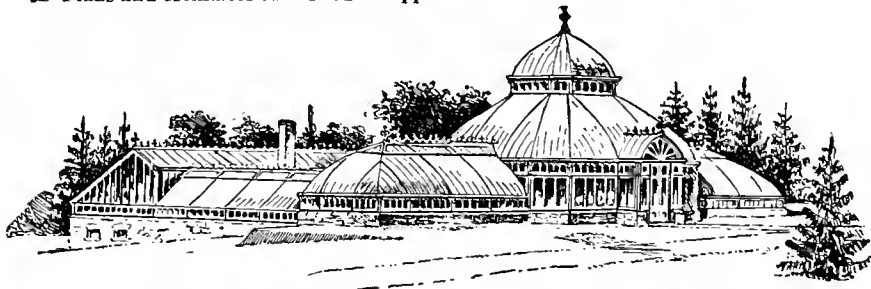
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IMPROVED  
**Greenhouse Boiler,**  
41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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**LORD & BURNHAM CO.,**  
Horticultural Architects and Builders,  
STEAM AND HOT WATER ENGINEERS.  
Plans and estimates furnished on application.



Largest builders of Greenhouse Structures. Six highest Awards at World's Fair.  
SEND FOUR CENTS POSTAGE FOR ILLUSTRATED CATALOGUE.

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THE KINNEY PUMP.

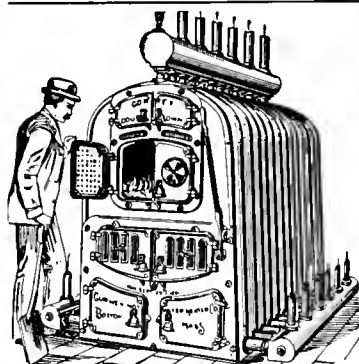


THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island. Only 29 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assoc., Ill. "The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

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Gurney Double Crown Hot Water Heater.

**Gurney** Hot Water Heaters  
AND Steam Boilers.

UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

ALWAYS EQUAL TO THE OCCASION.

Send for Greenhouse Catalogues.

**GURNEY HEATER MAN'FG CO.,**

163 Franklin Street (Cor. Congress),

BOSTON, MASS.



**Pat. Plant Tubs.**

NEW IMPROVED

**ORCHID CRIBS.**

A full line of

Florists Baskets  
AND SPECIALTIES.

Write for Illustrated Catalogues.



**HOME RATTAN CO., 483 Wells St., Chicago.**

**WATER**

For Your  
GREEN HOUSE,  
ROSE HOUSE,  
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Conservatory, Lawn,  
House, Garden, Stock  
or any other purpose.

Send for Illustrated Catalogue

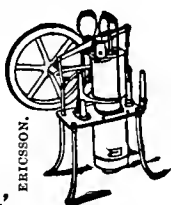
OF THE  
**DE LAMATER-RIDER AND  
DE LAMATER-ERICSSON**

**PUMPING  
ENGINE.**

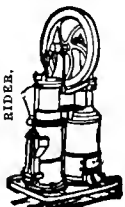
Their operation is so simple and safe that a child can run them. They will pump water from shallow streams or any kind of well. They can be arranged for any kind of fuel. Capacity 1,500 to 30,000 gallons of water a day, according to size.

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will be issued Jan. 1, next.

**AMERICAN FLORIST CO.**

P. O. Drawer 164. CHICAGO.

## News Notes.

ARBUTUS, MD.—N. B. Gilbert, formerly of Aberdeen, has removed from that place and established his business here.

NEW BEDFORD, MASS.—The partnership of Jahn Bros. & Conroy has been dissolved by mutual consent. The business will be continued by Jahn Bros. as before.

RANDOLPH, MASS.—Marcus L. Tirrell has added a greenhouse 10x50 to his business on Lafayette street, and filled it with carnations, of which he makes a specialty.

SPRINGFIELD, O.—P. H. Murphy has sold out to Jas. L. Maxwell, who will continue the business. Mr. Murphy who came to this country in 1851, has been in the business in Ohio for nearly forty years.

HACKENSACK, N. J.—Capt. John J. Phelps, proprietor of the Red Towers greenhouses, has opened a new store on Main street, where he will carry a line of seeds and supplies as well as flowers and plants.

OTTAWA, ILL.—The wife of Mr. F. J. King, the florist, died November 25 from kidney trouble. The wedded life of Mr. and Mrs. King was an unusually happy one and Mr. King has the heartfelt sympathy of all in his great bereavement.

WAYCROSS, GA.—J. E. Young, late in business as a florist at Brunswick, has given up his business there to take an interest in the Cherokee Nursery Co. of this place. The firm will at once put up one house 10x90, and more glass will be added as necessary.

PRINCETON, N. J.—The seventh annual exhibition of chrysanthemums under the direction of Wm. G. McTear was held as usual in one of the large greenhouses during the week ending November 16. The attendance was very large and visitors were delighted with the beautiful and effective display.

WATERLOO, IA.—Chas. Sherwood has built one new house for chrysanthemums, heated by a flue. H. D. Williams has admitted a partner to his business, and the firm name is now Williams & Crittenden. Their place has been entirely remodeled, old houses torn down and new ones built, two 19x100, one 10x100 and one 18x60, with potting shed, work room and reception room. The buildings possess all improvements, and are of the newest type.

LANSING, MICH.—Fitzsimmons, who lost residence, office and three greenhouses by fire last spring, is nearly all right again, having rebuilt his houses and added 2,000 feet of glass, with a four room office approaching completion. His plant is heated entirely with steam. He has a fine large house devoted to roses, two to carnations, two to violets and one to smilax. He has also opened a tasty up-town store in the leading block in the city and held a highly successful free illuminated chrysanthemum show during Thanksgiving week.

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## NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

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## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipple Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

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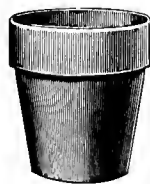
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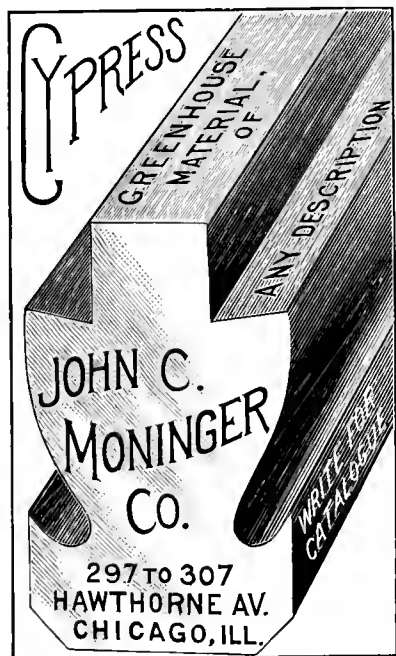
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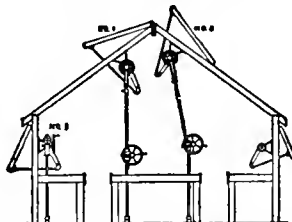
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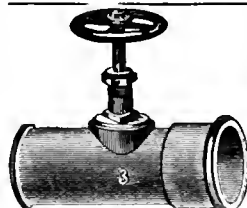
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## Foreign Notes.

Among new orchids recently introduced to European growers is a blue bollea, having gentian blue flowers resembling small saucers. This was found in the same district as some wonderful new cattleyas. These latter include a fine white *C. gigas*, and new types of *C. chrysotoxa*. Another remarkable introduction is a white anguloa, provisionally named *A. alba magna*, but suspected of being the white *A. Clowesii*. Another wonderful novelty is *Acineta colossa*, with huge pendent spike of purple blossoms. The unopened buds resemble small apples, and the spikes are two feet long.

SAN JOSE, CAL.—The sum of \$7,000 has already been contributed toward the expenses of the next carnival of roses, to be held in May, 1896.

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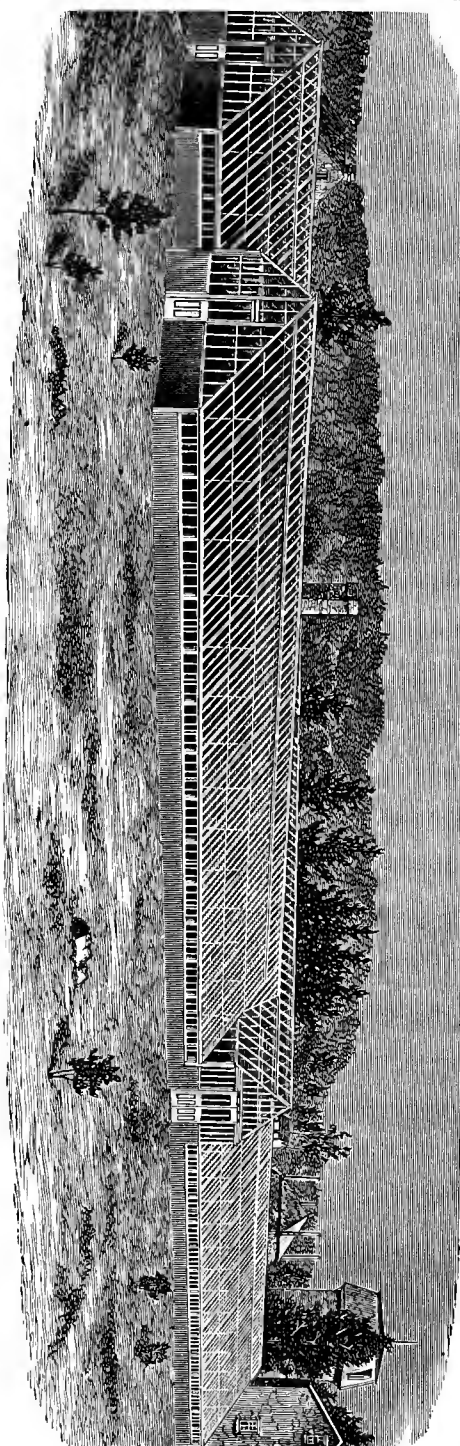
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"we are the first to touch Unknown Seas."

Vol. XI.

CHICAGO AND NEW YORK, DECEMBER.

5.

No. 393

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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St. John, N. B.

The report of the recent chrysanthemum show should have been signed H. E. G. instead of C. G. K.

HINGHAM, MASS.—Warren Lothrop has added 500 feet of glass this fall and is producing fine English violets.



A Rose Trouble.

The leaves on some of my roses seem to drop prematurely—what is the cause of the trouble? The roots also seem to suffer—some are largely eaten away, and others are very brittle. There appears to be a rust on the stems. I enclose samples. Rhode Island. W. M. E.

The specimens received were completely dried up, too much so for me to pass judgment on them with any degree of positiveness. In such cases would it not be better to take up a plant or two carefully, roots and all, and send by express, prepaid, the plants arriving in a fresh natural condition it would be very much easier to determine the character of the disease? The stem with the root attached shows the mark on both stem and roots eaten off; there is nothing left of roots but short stubs. There was nothing remaining for the plant to do but die. This is the work of either the rose grub, or more correctly, the larvæ of the rose bug, or the common white grub, which is found to a greater or less extent in all soil which is composed of turf from pasture land. If W. M. E. will dig up one of the plants affected, as soon as it is discovered, he can satisfy himself on this point. If it is the large white grub the only remedy I can suggest is to search for them wherever their presence is indicated, and destroy them. If, however, the trouble is caused by the small larvæ of the rose bug, which, though very little larger than a grain of wheat, is very destructive, he will probably have to wait for the larvæ to change or develop into the bug, when they will come to the surface and feed on the foliage. This brown little fellow has quite high notions, one of his peculiarities being his choice of the tops of the stakes from whence to make his observations; this, however, gives us a good chance to get a look at him. Ten to fifteen years ago the rose bug gave eastern growers a great deal of anxiety and trouble, but is not feared to any great extent to-day. Hand picking is the only remedy.

The rust referred to is probably anthracnose; if so the plants affected will show in addition to the rust on the stems and foliage a great many dead tips; where part of a shoot has been cut away the end left will die down to the first leaf or perhaps lower. This disease spreads rapidly, and can soon ruin a house of

roses, but if taken in hand in time its progress is easily checked, and the plants restored to their normal condition. The best remedy I know of—one which has never failed with me—is to syringe thoroughly once a week with the ammoniacal solution of carbonate of copper. It is prepared by mixing 3 ounces of the pulverized copper with one quart of ammonia; if sufficient water is used to mix the copper into a thin paste and then add the ammonia there will be less sediment left on the foliage. The solution should be kept corked tight until used; one-fourth pint is sufficient for three gallons of water. The main point is to wet every part of the plant each syringing. In addition to this I would recommend that all fallen leaves be picked off once a week and the surface of the soil slightly stirred. A little stimulant in the form of nitrate of soda or sulphate of ammonia or both in liquid form used alternately once a week if the soil should be dry enough may be of great benefit; a three-inch pot full of either of the above in fifty gallons of water with a little horse, cow or sheep manure to give color will be about the right strength. I have seen plants so badly affected with anthracnose as to make it seem impossible to keep them alive even brought back to perfect health and productiveness by an application of the above remedies.

ROBT. SIMPSON.

### Manufactured Fertilizers for Roses.

C. L. asks what is the best manufactured fertilizer for roses. In reply to the same I have tried in larger or smaller quantities nearly every fertilizer offered, some of which have been found very good, while others gave but very little beneficial results, at least as far as we could judge. Possibly some of this was the result of our want of knowledge of how best to apply it; the condition of the plants to which it is applied has considerable influence for or against any fertilizer.

Some of the most beneficial that we have used are Albert's concentrated fertilizer, Clay's and a mixture of nitrate of soda and dry soil. Pulverized sheep and chicken manures used in the same way all are good helps—where the plants are needing additional stimulant. Here comes the important point; before applying anything of a stimulating nature be sure that the plants are in a healthy thrifty condition and the roots fairly well distributed all through the soil, or to be more definite, the plants should have taken possession of all the rich soil at their disposal before commencing to give them stimulants. In that case a very thin dressing of any of the above preparations can be spread very carefully over the surface of the soil and then over this again spread another thin dressing of very fine manure. Water the whole as

necessary and the fertilizer will gradually dissolve and find its way into the soil, where the roots will absorb the elements they require, or it can be dissolved in water and given in liquid form at the option of the grower, but for general purposes I should prefer the former method. Where old plants are grown and need considerable assistance a change of diet each time will be found to be very beneficial. In that case all the above preparations can be used in one season, but where one thing only can be used I think the Albert's has some advantages over nearly all the others, first because it is so easily applied, second quite odorless, thirdly, a very small amount is all that is required at a time.

The above is only our own experience with fertilizers; others may have had quite a different experience with them, and may have found other brands superior to those we have named.

JOHN N. MAY.

#### Tobacco Stems in Rose Houses.

In the use of tobacco stems should the stems be left in the house at all times or is it better to remove them occasionally, and if the stems are used in this way will fumigation be necessary? R.

If tobacco stems are laid among the plants on the top of the soil where they become saturated with water from syringing they will not only lose all their strength but be almost rotten in from two to four weeks, when, for the sake of cleanliness, if for no other reason, they should be removed. Perhaps the very worst place in the house to lay tobacco stems is on top of the benches; after considerable experimenting in this line I am satisfied that rotted tobacco stems in the soil or near the roots of roses are positively harmful. Along the sides of the paths they can do no harm, but they soon decay and make a dirty looking house and a disagreeable walk. Where steam is used for heating it is more cleanly and economical to lay the stems on the steam pipes and sprinkle with water every night as soon as steam is turned in. When the strength is all gone remove and renew. With good stems three or four renewals will be sufficient to keep roses perfectly free from greenfly all winter without any additional remedies.

ROBT. SIMPSON.



#### Carnation Notes.

I received a communication regarding trouble with the old scarlet variety Portia. As stated the plants are apparently in a healthy condition, were planted the first week in September, made good growth, but the buds when developed so far as to show color shrivel up. I had the same experience with Richmond; there was apparently nothing the matter with the plants, stems were well grown, buds the usual size, but as soon as they opened they commenced to shrivel and the color looked bleached and dull. We were obliged to discard that variety on that account. In former years I heard of the same trouble with other varieties in differ-

ent localities. This disease, although I can hardly call it so, has never been thoroughly investigated. I neglected it myself, attributing the cause to some deficiency in the soil or to some deformity in the flower, preventing the full expansion. Being reminded of it again I think it worth while to give it more thought. There seems to be a lack of something, may be a lack of some nourishing part, which causes the flower to shrivel, preventing its full development; or it may be a case of bacteria. Any other atmospheric influence could hardly be entertained, as it would very likely affect the whole plant. I am here a questioner myself, and would suggest to send a few of the afflicted flowers to Dr. Arthur for examination, or if sent to me I would deliver them, for I can see him almost any time and explain the trouble. It is my impression that only a strong microscope or a chemical analysis can give light in this matter.

We had of late much cloudy and quite cold weather, and not much chance to give sufficient ventilation every day. At such times, when the houses are rather close, bacteria and fungus will revel and give you much trouble. Some sulphur on the heating pipes is always beneficial, as also is fumigating with tobacco, and I think the fumes of tobacco is quite a damper on the bacteria, as well as on the greenfly. But the smoke from tobacco stems makes the flowers that just get caught in it nearly unsalable by the disagreeable tobacco smell. The Rose Leaf tobacco extract acts quite differently and leaves hardly any smell on the flowers, and is besides so much more effective, without having the least injurious result. It is more expensive, but the better results more than pay for the difference and leave everything clean and tidy, in comparison with tobacco stems scattered over walks and under benches. We use it in the following manner: We use the small coal oil stoves with two or three flames each, and a sheet iron pan; a tin pie plate will do, but will wear out sooner. For a house 20 by 125 feet we use about one pint of the extract, divided in three pans and placed on so many stoves, distributed through the house and let it boil; and by stirring or turning it once or twice it can nearly be burned up, and in this way get all the good out of it. We do not dilute it with water, for it will only take so much longer time to evaporate, and the effects will be the same. We never experience the slightest injury to the most tender plants.

Avoid on cloudy days a cold damp atmosphere in the houses, as well as too warm a one. We often have steam up and the ventilators open, for fresh air on such days is necessary, and temperature should not drop below 60, especially now near the holidays; when there is a good demand for flowers to be expected. We must try to counteract any retarding element; this holds good at any time, when the health of our plants is in danger.

FRED. DORNER.

#### Wood Lice in Carnation Beds.

What shall I do to exterminate wood lice from my carnation beds? W. J. A.

I must confess ignorance here, for I do not understand what wood lice are. If it is any kind of an insect that be reached with the rose leaf tobacco extract I should think that would finish them. Two or three spoonfuls of this tobacco extract in a can full of water makes a very strong insecticide. Judging from the

name, woodlice, these insects harbor in the wooden inclosure of the beds, and there is where it should be applied. If I am correct, Mr. A. must have neglected to give his beds or benches a wash of fine slacked lime before filling in the ground.

FRED DORNER.

#### Correction.

In a late issue your Chicago correspondent states that I am quite taken with Dean Hole and Kitty Clover. This is a mistake. Dean Hole will neither grow nor bloom here, and Kitty Clover has "gone to grass."

Eldorado and Goldfinch we shall grow next season if they continue to do as well as at present.

W. N. RUDD.

Mt. Greenwood, Ill.



#### Chrysanthemum Wm. Simpson.

Some people seem to think that there are two varieties of chrysanthemum named Wm. Simpson in addition to the one owned by Joseph Heacock. This is an error. What were supposed to be two varieties at one time bearing that name were one and the same thing. I forget who was the original owner of the variety exhibited under the name of Pink Pearl at Philadelphia, but the name of John N. May appeared thereon; this was in November, 1892. It was either Mr. May or Robert Craig. There being a Pink Pearl already on the list, on being advised of that fact, Mr. Craig suggested the name of William Simpson, which was adopted in good faith, and the late James Simpson was the donor of the cup which was to be competed for by this variety, and which Mr. Craig has had in his possession for some years. Mr. David Cliffe disseminated a variety which was at first called Magnet, and as this name also was already in existence it was changed to J. H. Cliffe. This last named chrysanthemum was, I believe, sent out one year before the Wm. Simpson, and after a trial of a year or two side by side it was discovered to the chagrin of Messrs. May and Craig that the Cliffe and the Simpson were identical! This complication caused the withholding of the "Simpson Cup" from competition, and it has been held until the present time, when the variety owned by Mr. Heacock was given the name of "Wm. Simpson," and the cup is offered for competition at the next chrysanthemum show (November 1896) of the Pennsylvania Horticultural Society, for the best twenty-five blooms of *this* variety and *not* the "J. H. Cliffe," which owing to priority of naming and dissemination is entitled to precedence, and which can lay claim to that title by general usage. Some of the confusion which has crept into the nomenclature in this case is owing to Messrs. May and Craig exhibiting and selling the Wm. Simpson (the first) as individuals instead of under joint-ownership. Whether it was that Mr. Craig was the original owner and divided the stock with Mr. May or vice-versa, I am at this time unable to say,



A CORNER AT THE CLEVELAND SHOW.

but certain it is that an effort was made to put a variety upon the market as Wm. Simpson that failed owing to the fact as before stated, and that Mr. Cliffe sent the same variety out under the name of J. H. Cliffe a year earlier than Messrs. May and Craig sent out Wm. Simpson. It is quite natural that Mr. Craig, under the circumstances, should desire to have the matter of the cup settled and the plan adopted appears to be the only legitimate way out of the difficulty.

The Chrysanthemum Society of America has no jurisdiction over an owner or raiser of a seedling, as to its naming. Its functions are advisory only, and it has proven a wealth of benefit to all chrysanthemum people in that respect alone. Take the case now under consideration, the C. S. A. has been doing a lot of unostentatious work which would not have come to the surface ordinarily, but in order to show what some of its conscientious officers have been engaged in let us say that "J. H. Cliffe" was at one time known as "Magnet," under another name "Pink Pearl," and yet another "Wm. Simpson." J. H. Cliffe is now its *real* name.

Now as to the present "Wm. Simpson," first of all it was named "Marion Cleveland." Marion forsooth! why, the name of "Marion Cleveland" was registered by *wire* the very day it was announced publicly that President and Mrs. Cleveland had decided to name their youngest child Marion! Thomas H. Spaulding was the acute and active mind who conceived that idea, and he was also first with registering of the names of "Ruth Cleveland" and "Esther Cleveland" in the same way, namely, by wire. When Mr. Heacock found that he was too late to secure for his variety the name of Marion Cleveland he called it "Quaker City," and Quaker City was its name until he was induced, by interested friends to call it Wm. Simpson.

This incident will give those who are interested an idea how important it is to

consider well the naming of a variety before making it public, because there are so many names on the list now that it is difficult indeed to give a name to a new variety of chrysanthemum that is not already in use.

Pardon the suggestion, but it would be well for Mr. Heacock to make an explanation as to the circumstances which led to the naming of his variety "Wm. Simpson," so as to avoid as much confusion as possible.

Mr. Heacock offers, in addition to the "Simpson Cup," a cup costing \$50.00 for the best vase of 12 blooms and a cup costing \$25 for the best vase of 6 blooms, competition to be unrestricted—open to all—at the show to be held November, 1896, under the auspices of the Pennsylvania Horticultural Society.

EDWIN LONSDALE.

#### Trouble With Chrysanthemums.

What is the matter with our 'mums this year? They were grown from healthy rooted cutting planted in the open ground early in June, were well cultivated, pruned and staked. They were as fine a lot as one could wish, in good shape when taken up and potted the first of October in 8-inch pots.

They were put in the shade for some 8 or 10 days, then taken into the greenhouse. Careful attention was given as to watering, spraying the lower leaves, etc.

But there were *no* perfect flowers, or nearly none; most all were drooping, limber stems, flowers undeveloped in most cases, one sided, half developed, sickly looking things, notwithstanding the plants are green and to all appearances healthy. I would much like to know why this is thus, and if it will be safe to propagate from these old roots for spring planting, as they are full of working roots and to all appearance healthy.

Our experience seems no exception to that of everyone in all the country around

for many miles. Last year with the same treatment we had large beautiful flowers, this year they are *nil*. What's the matter?

J. W. MARGRAVE.

For several years we have used the bench system only, and so feel we are hardly up to the times in the cultivation of chrysanthemums in the manner described.

Before the bench system came into use we planted our stock outside and housed in the fall, securing the best results when lifted not later than August 1. It stands to reason that lifting when in bud must detract from the quality of the flower, as the check is severe even if done carefully and under favorable conditions. We have for years attributed one sided flowers to a sudden check either from drouth or disturbing when in bud. Stiff stems are secured by maintaining a high state of cultivation with abundance of air at all times. The weak stems cannot be due to late lifting, but more likely to lack of ventilation. As the poor quality of the flowers is due to unfavorable conditions rather than disease, we would not hesitate in using them for next year's stock, provided they are in good vigor.

ELMER D. SMITH.

#### Chrysanthemums in Pots.

Please give the best way to grow specimen blooms on plants in pots, say from one to three flowers on a plant. Also how may the plants be kept dwarf? Should the plants be shaken out when potting for the last time, say in shifting from 3-inch to 6 or 7-inch? DABBY.

If they are intended to exhibit as cut blooms and not as pot plants would advise taking sturdy young plants from 2½-inch pots about June 1 and shift them into the 4-inch size. These will, in the course of three or four weeks, need to be shifted into 6-inch and again in about the same length of time will need an



## RESUME OF THE WORK OF THE CHRYSANTHEMUM SOCIETY OF AMERICA FOR 1895.

NAME.	Where shown.	Date.	Exhibited by	Color.	Type.	Further trial advised.	POINTS SCALED.						REMARKS.
							Color.	Form.	Fullness.	Stem.	Petalage.	Total.	
Mrs. Erskine Phelps	Chic'go	Oct. 12	Parkside Floral Co., Chicago	Creamy white	Japanese	Yes	25	13	7	5	10	66	May be valuable for its earliness; not certain it is new; origin unknown.
Noddy Botlin	N.York	Oct. 19	Chas. Bird, Arlington, N. J.	Salmon pink, shading to fawn	Ref. Jap.	No							Not worthy of consideration as to flower; stem and foliage magnificent.
Day Dawn	N.York	Oct. 19	E. G. Hill & Co., Richmond, Ind.	Creamy white	Japanese								Flowers shown were not finished; would like to see it when fully built up.
Day Dawn	Chic'go	Oct. 19	E. G. Hill & Co., Richmond, Ind.	Creamy white	"		20	20	13	9	8	85	Blooms were not so fully developed as committee would have wished.
Day Dawn	Chic'go	Oct. 19	E. G. Hill & Co., Richmond, Ind.	Creamy white	"		15	15	10	10	8	73	Blooms were not fully developed; not as good as Mrs. H. Robinson.
Day Dawn	Boston	Oct. 26	E. G. Hill & Co., Richmond, Ind.	Creamy white	"		25	25	10	7	10	92	Foliage good; very fine early variety; it might be called a "White Lincoln."
Opal	Chic'go	Oct. 19	E. G. Hill & Co., Richmond, Ind.	Pink	"		15	20	12	10	6	75	Blooms exhibited were well grown.
Opal	Chic'go	Oct. 26	E. G. Hill & Co., Richmond, Ind.	Magenta pink	"	No	13	13	15	10	9	75	May make an exhibition pot plant; habit and foliage fine.
Autumn Bride (exhibited as October Queen)	Chic'go	Oct. 26	N. Smith & Son, Adrian, Mich.	Pure white	Inc. Jap.		25	25	13	9	8	100	Arundel X Mrs. Jerome Jones; planted June 20; height 3 feet; terminal bud Sept. 1; cut Oct. 18.
Autumn Bride	Chic'go	Oct. 26	N. Smith & Son, Adrian, Mich.	Pure paper wh	"		25	25	12	10	9	94	
Sun-Clad	Chic'go	Oct. 26	N. Smith & Son, Adrian, Mich.	Clear yellow	Japanese		25	20	12	10	8	86	
Sun-Clad	Chic'go	Oct. 26	N. Smith & Son, Adrian, Mich.	Yellow	"		25	25	12	8	7	92	Col. W. B. Smith X Mrs. Craig Lippincott; planted June 20; height 3 feet; crown Aug. 30; cut Oct. 23.
Sun-Clad	Boston	Nov. 2	N. Smith & Son, Adrian, Mich.	Deep chro. yel.	"	Yes	25	20	12	10	6	83	Flowers arrived somewhat bruised.
Sun-Clad	Phil'ha	Nov. 2	N. Smith & Son, Adrian, Mich.	Yellow	"	Yes	20	18	12	8	8	78	Although good, not an improvement on existing yellow varieties.
Sun-Clad	N.York	Nov. 2	N. Smith & Son, Adrian, Mich.	Yellow	Ref. Jap.	No	25	15	10	10	8	78	Not quite up to the standard for certificate.
Campania	Chic'go	Oct. 26	E. G. Hill & Co.	Bronze-yellow	Inc. Jap.	Yes	20	18	15	5	10	83	Not fully developed.
Sundew	Boston	Oct. 26	T. D. Hatfield, Wellesley, Mass.	Light bronze, inner surface terra cotta	"		23	25	13	10	10	93	Foliage fine and large; well up to the flower; E. Molyneux X Mr. Hicks Arnold.
Lenawee	Chic'go	Nov. 2	N. Smith & Son	Pure white	"		25	20	14	10	7	87	
Lenawee	Chic'go	Nov. 2	N. Smith & Son	Pure white	"		25	20	15	8	9	89	For exhibition.
Daylight	Chic'go	Nov. 2	N. Smith & Son	Light yellow	"		20	20	14	9	7	84	
Helen K. Baker	Chic'go	Nov. 2	D. M. Baker, Adrian, Mich.	White	"	No	18	15	12	7	8	67	
Ivoire Rose	Chic'go	Nov. 2	J. Breitmeyer & Sons, Detroit, Mich.	Pink	"	Yes							Sport from Ivory; too far gone to judge.
Duch of Marlborough	Chic'go	Nov. 2	Fred S. Walz, Cincinnati, O.	Yellow	Japanese	Yes	22	15	15	9	7	80	Not developed.
Mrs. W. C. Egan	Chic'go	Nov. 2	Fred Dörner & Son, Lafayette	Creamy pink	Inc. Jap.		20	23	15	8	9	90	
Mrs. W. C. Egan	Chic'go	Nov. 2	Fred Dörner & Son, Lafayette	Creamy pink	"		15	25	15	8	10	88	For exhibition; highly recommended Sport from Mrs. E. G. Hill; asked to send in next week as not fully developed; did not do so.
Kate B. Washburn	Chic'go	Nov. 2	Bassett & Washburn, Hinsdale	White	"								Not up to standard.
Henry Harrell	N.York	Nov. 2	Pitcher & Manda, Short Hills, N. J.	Yellow	Ref. Jap.	No							Not up to standard.
R. F. Hibson	N.York	Nov. 2	Pitcher & Manda, Short Hills	White-Jem. cen.	"	No	20	10	15	5	10	65	Not considered worthy of certificate
Miss L. Magee	N.York	Nov. 2	Pitcher & Manda, Short Hills	Silvery pink	Inc. Jap.	No							Not up to standard.
Mongolian Prince	N.York	Nov. 2	Pitcher & Manda, Short Hills	Old gold	"	No							"
Constance Terrell	N.York	Nov. 2	Pitcher & Manda, Short Hills	Yellow	Ref. Jap.	No							"
Miss M. Lear	N.York	Nov. 2	Pitcher & Manda, Short Hills	Deep crimson	Inc. Jap.	No							"
Consuelo	N.York	Nov. 2	Pitcher & Manda, Short Hills	Pink	Ref. Jap.	No							"
Mrs. Harry Toler	N.York	Nov. 2	Pitcher & Manda, Short Hills	Wh. thin'd blush	"	No							"
Sibyl Kay	N.York	Nov. 2	T. H. Spaulding, Orange, N. J.	Deep blush	"	Yes	20	15	15	10	10	80	Very pretty and good foliage.
Marion Cleveland	N.York	Nov. 2	T. H. Spaulding, Orange, N. J.	Lemon yellow	Inc. Jap.		20	25	15	10	10	95	
Riverside	N.York	Nov. 2	T. H. Spaulding, Orange, N. J.	Clear yellow	Ref. Jap.	No							Not up to standard.
Mrs. W. P. Rayner	N.York	Nov. 2	T. H. Spaulding, Orange, N. J.	Creamy white	"		15	25	15	5	10	80	
Miss Ag's L. Dalskov	N.York	Nov. 2	M. Hansen, New Durham, N. J.	Clear pink	Inc. Jap.		25	25	15	10	10	90	Pink sport from Ivory.
Sister Leo	N.York	Nov. 2	E. G. Hill & Co.	White	Ref. Jap.	No							Not up to standard.
Triphede St. Laurent	N.York	Nov. 2	E. G. Hill & Co.	Yellow	"	No							"
Lucania	N.York	Nov. 2	E. G. Hill & Co.	White	Inc. Jap.	No							"
Mrs. Perrin	N.York	Nov. 2	E. G. Hill & Co.	Rose pink	"		25	25	15	10	10	100	This variety has extra fine stem and foliage.
Mrs. Perrin	Boston	Nov. 5	E. G. Hill & Co.	Rose pink	"		25	25	15	10	7	92	The flowers exhibited were grown by Edmund Wood & Co., Natick, Mass.; Alex. Montgomery, gardener.
William Simpson	Phil'ha	Nov. 2	Joseph Hancock, Weymouth, Pa.	Light pink	"		20	22	12	8	9	86	The committee think this a great acquisition as an early pink.
Baltimore Belle	N.York	Nov. 2	J. N. May, Summit, N. J.	Wh. thin'd blush	"		20	25	15	10	10	90	Resembles Mrs. H. McK. Twombly.
Infatuation	N.York	Nov. 2	J. N. May	Creamy white, lemon center	Japanese	No	15	15	15	10	10	80	Unique in form, semi-tasseled; highly recommended for exhibition or to be grown in general collection.
Columbine	Boston	Nov. 5	T. H. Spaulding	Brick red, gold reverse	Inc. Jap.		10	15	15	6	7	68	The flowers exhibited were grown by T. D. Hatfield, the originator, who sold the stock to the exhibitor.
West Newton	Boston	Nov. 5	H. A. Gane, West Newton, Mass.	Bright nankeen yellow	"		25	25	12	10	10	92	Foliage good; scented; quite noticeable in this respect.
Theo.	Boston	Nov. 5	Mann Bros., Randolph, Mass.	Chrome yellow	Japanese	Yes	25	15	7	10	5	77	We have been informed this variety has been cut as early as Oct. 4 to 10; the flowers shown had been cut a long while.
Mrs. H. B. Reed	Boston	Nov. 5	Mann Bros., Randolph, Mass.	Sul'r wh. old p'k	"	Yes	12	15	7	10	5	64	Same as former.
Welcome Guest	Boston	Nov. 5	G. Hollis, So. Weymouth, Mass.	Silvery pink	Inc. Jap.	Yes	15	25	15	7	10	82	
* Mars	Boston	Nov. 7	J. Brydon, Yarmouthport, Mass.	Deep crimson, old gold reverse	Japanese	Yes	23	20	15	10	5	83	Foliage fine; petals of great substance.
Chelanque	Boston	Nov. 9	C. S. Goddard, Woodford, Me.	Salmon pink	"	Yes	25	15	15	5	8	83	Fine exhibition flower.
Signal Light	Boston	Nov. 9	T. H. Spaulding	Bronze, gold center	Incurred		23	22	15	10	8	93	Foliage well up to the flower; for exhibition; flowers grown by T. D. Hatfield, the originator.
Violet King	N.York	Nov. 9	T. H. Spaulding	Violet pink, fading to dull pink	Japanese		10	15	15	10	10	70	Color not desirable for commercial purposes.
Bride of Castlewood	N.York	Nov. 9	T. H. Spaulding	White	Incurred	Yes	20	20	15	5	10	80	Competes with Mrs. Robt. Craig but not considered an improvement.
Golden Wonder	N.York	Nov. 9	T. H. Spaulding	Yellow	Japanese		25	25	15	5	5	90	Rich yellow, deeper colored center sulphur yellow toward the tips.
No. 1	N.York	Nov. 9	Wm. Powell, Seneca Falls, N. Y.	White	"		25	20	15	5	5	70	Stem too weak; not up to standard.
Flourence Kemble	Phil'ha	Nov. 9	C. W. Cox, Glenside, Pa.	White	Inc. Jap.		25	22	15	8	9	92	A good addition to the list of whites.
Velmar	Chic'go	Nov. 9	N. Smith & Son	Wh. suff'd pink	"		16	20	13	10	9	84	
Edwin A. Kimball	Chic'go	Nov. 9	N. Smith & Son	Bronze	"		25	23	15	6	10	91	Fine color effect.
No. 2	Chic'go	Nov. 9	Fries & Schneider, New port, Ky.	Yellow	"	Yes	20	16	15	8	7	76	Not well grown.
E. G. Gillett	Chic'go	Nov. 9	Fries & Schneider, New port, Ky.	White	"		20	20	14	10	9	84	Should have been shown week later.
E. G. Gillett	Chic'go	Nov. 16	Fries & Schneider, New port, Ky.	White	"		20	22	15	6	9	84	An improved Wamamaker.
Betty Boeck	Chic'go	Nov. 9	Theo. Boek, Hamilton, O.	Salmon pink	"		22	21	13	9	8	85	Color very fine; texture very waxy; fine cut-flower variety.
Mrs. Jas. E. Campbell	Chic'go	Nov. 9	Theo. Boek, Hamilton, O.	Blush pink	"								Shows too much green at center of blooms.
Lorelei	Chic'go	Nov. 16	Theo. Boek, Hamilton, O.	Pink	"	Yes	19	20	14	10	9	83	Similar to Irma; specimens submitted poorly grown.

## RESUME CONTINUED.

NAME.	Where shown.	Date.	Exhibited by	Color.	Type.	Further trial advised.	POINTS SCALED.					REMARKS.
							Color.	Form.	Stem.	Petalage.	Total.	
Pluto	N. York	Nov. 16	John N. May	Orange red, reverse old gold	Jap.		25 20	8 10	10 15	88		This variety is recommended principally for its original color for exhibition.
Alonzo	N. York	Nov. 16	John N. May	Pearl pink	Inc. Jap.		13 25	15 10	10 15	88		A good stem and foliage; well-built flower, but considered weak in color.
Ruth Ellis	Cinci'ti	Nov. 16	John H. Sievers, San Francisco	Creamy white	Inc. Jap.	Yes	15 20	12 6	9 13	75		Lower petals shading to pink, grown by Hill & Co.
Ruth Ellis	Phila.	Nov. 16	John H. Sievers	Creamy white	Inc. Jap.		20 20	13 8	8 15	84		
Gov. Mathews	Cinci'ti	Nov. 16	E. G. Hill & Co.	Shell pink	Inc. Jap.	Yes	20 19	12 7	8 12	78		
Gov. Mathews	Phila.	Nov. 16	"	Light pink	Inc. Jap.		20 20	13 8	8 14	83		
Gov. Mathews	Chic'go	Nov. 16	"	Shell pink	Inc. Jap.		25 20	15 5	8 12	85		Fine color.
Mrs. J. M. Atherton	Cinci'ti	Nov. 16	Nantz & Neuner, Louisville	White	Incurved		18 16	15 10	7 11	77		
Gretchen Buettner	Chic'go	Nov. 16	Emil Buettner, Park Ridge, Ill.	White	Ref. Jap.		22 23	15 9	8 14	91		
Mrs. E. Buettner	Chic'go	Nov. 16	"	Yellow	Ref. Jap.		20 23	15 8	6 14	86		
Peggy Lee	Chic'go	Nov. 23	J. C. Vaughan, Chicago	Cr'y wh, pk shd	Inc. Jap.		17 20	12 5	8 13	75		
Lorna Doone	N. York	Nov. 23	J. Condon, Brooklyn	Cr'm suffus pk	Jap.		25 15	15 10	10 15	90		
Invincible	N. York	Nov. 23	T. H. Spaulding	Creamy white	Jap.		15 20	15 10	10 15	85		Recommended for exhibition only.
New York	N. York	Nov. 23	"	Del pk, cent'r	Inc. Jap.		15 25	15 10	10 15	90		Faint tinge of flesh pink; pearl-white when fully developed.
Dayton	Cinci'ti	Nov. 23	Highland Floral Co., Dayton	Light pink	Inc. Jap.		22 20	14 7	8 14	85		A good exhibition variety.
*Indiana	Cinci'ti	Nov. 23	E. G. Hill & Co.	Light pink	Inc. Jap.		21 22	15 7	9 15	89		Good for exhibition; a little long stemmed.
Apollo	Cinci'ti	Nov. 23	Nantz & Neuner	Yellow	Inc. Jap.	Yes	20 19	14 9	8 12	82		Flowers arrived poor condition; believe this good if properly grown.
Elizabeth Fry	Cinci'ti	Nov. 23	"	Magenta pink	Inc. Jap.	No	13 15	15 10	7 11	71		Too coarse to be valuable.
Modesto	Cinci'ti	Nov. 23	N. Smith & Son	Clear deep yel	"		25 23	15 8	9 12	92		An exquisite yellow.
Modesto	Chic'go	Nov. 23	"	Golden yellow	"		25 23	15 6	9 13	91		
Modesto	Phila.	Nov. 23	"	Deep clear yel	"		25 22	15 7	8 13	90		
Violescent	Phila.	Nov. 23	"	Wh. tip, violet	"		23 25	15 10	8 15	96		A grand variety; very distinct and fine.
Violescent	Cinci'ti	Nov. 23	"	White	Inc. Jap.		20 22	15 10	10 13	90		A fine-formed flower.
Violescent	Boston	Nov. 23	"	Creamy white	"		25 24	15 6	8 13	91		Arrived somewhat bruised.
Violescent	Chic'go	Nov. 23	"	Wh. pet. sh pk	"		20 22	15 5	8 13	83		Temptation X Pres W. R. Smith.
Violescent	N. York	Nov. 23	"	Creamy white	"		20 25	15 5	10 10	85		Lower petals tinged lavender.
Western King	N. York	Nov. 23	"	Pearl white	"		20 20	15 10	10 10	85		
Western King	Cinci'ti	Nov. 23	"	White	"		21 20	15 10	8 13	87		
Western King	Chic'go	Nov. 23	"	White	"		25 23	15 9	9 13	94		
Western King	Phila.	Nov. 23	"	White	"		25 25	15 10	8 12	95		A good addition to the whites; arrived slightly bruised; Niveus X Ed Hatch.
Western King	Boston	Nov. 23	"	White	Inc. Jap.		25 25	15 10	10 15	100		
Yanoma	Cinci'ti	Nov. 30	"	White	Ref. Jap.		22 21	15 10	7 13	88		
Yanoma	Phila.	Nov. 30	"	Pure white	"		25 25	15 10	5 10	90		
Yanoma	Chic'go	Nov. 30	"	Pure white	"		24 23	13 10	5 12	87		
Rinaldo	Chic'go	Nov. 30	"	Red, rev. old gd	Inc. Jap.		18 18	14 10	9 12	81		
Rinaldo	Cinci'ti	Nov. 30	"	Bronze	"		20 21	15 10	8 12	86		
Rinaldo	Phila.	Nov. 30	"	Red, br'ze rev.	"		17 25	15 10	8 10	85		A useful variety in this line of color.

\* The names "Mars" and "Indiana" have been applied to chrysanthemums before.

8-inch. Give close attention to watering from the first potting until the flowers are perfected, never allowing them to become dry but avoid giving so much as to cause the leaves to turn yellow.

When three flowers to the plant are desired break out the tip about ten days after the second potting, allowing the three breaks which follow to grow on, removing all other growth as fast as it appears, and disbud, removing all but one to each branch.

If single stems are wanted to exhibit in pots July cuttings will be early enough, and avoid varieties which grow very tall. Dwarf, compact plants with perfect flowers are most desirable for this purpose. Shift as it is necessary but let the final potting be in a 5 or 6-inch pot. If the soil is well firmed they will make shorter growth than where loosely potted, and as plants thirty inches and under are the best it will be well to encourage them in this direction. Abundance of sun and air have a similar effect upon the growth. Would not advise disturbing the balls of earth when repotting.

ELMER D. SMITH.

#### Propagation and Propagating Benches.

A subscriber from Iowa sends the following: "Would like to hear some one's views on propagation and propagating benches." That is very brief, but the answer could be very long without half exhausting the subject. I can well remember the day when such common and easily rooted plants as verbenas were inserted in sand in a 5 or 6-inch pot, then the pot was plunged into some warm material and the cuttings covered with a

bell glass. The latter required the condensed moisture to be wiped from its interior once a day at least, what a fuss. I am not one who would say by any means that the past generation did not know much, but in propagating the ordinary stock of a florist we have made a great advance.

If I were to build a propagating house to-day it would be as follows: It would be 11 feet wide, with path running through the center; equal span and ridge running north and south, plenty of ventilation and on both sides of the ridge so you could "put on air" on the side the wind was not blowing. The benches should be boarded up tight both at back and front, and on the side of the bench (the path side) one board one foot wide the whole length of the house should be hinged, so that in cold weather this hinged board can be let down, allowing the heat to escape into the house. The surface of the bench should be of slate, I get heavy roofing slate 12x18 or 15x24, whichever size suits the width of your bench. The slates should be well supported, that is the supports with me, a 2x4 scantling, are not more than one foot apart. Slates will rot with the continuous heat and moisture. On the slates put 3 inches of sand. The house I once had control of was identically as I have described, and was heated by three 4-inch hot water pipes under each bench, and enclosed as described above. With proper attention the sand could be kept at 65° to 70°, while the temperature of the house can be kept to a lower degree. Between 50° and 55° will suit the great majority of plants. A house like this or a bench like this will with ease root such a vast majority of all the plants we grow that

the exceptions are not worth mentioning. The heating need not be what I have stated; a larger number of smaller pipes or a few steam pipes will be just as well, but keep the heat all confined below the benches.

Shading is an important thing to watch in propagating. From November 1 to March 1 little shading is needed in a house running north and south. When the hot suns of March come you must shade. The ideal shading is that which can be put on on the outside, for that not only keeps the direct rays of the sun off the cuttings, but keeps down the temperature as well. This outside shading is, however, not always easy to apply, and cheese cloth tacked up inside near the glass will do very well, but it should be put up in such a way that on cloudy days it could be rolled up and out of the way and not be shading the cuttings when it is an actual injury to them. If water passes freely through the sand, which it always should, there is little fear of over-watering the cutting bed. The late Peter Henderson in his practical work published some 28 years ago said water the cutting bed copiously every day, and on warm days twice a day. He was not far wrong; if the atmosphere is healthy and the water passes freely through the sand it will be all right, but a knowledge of what requires most water to keep from wilting is very desirable. A very little experience will show you that a geranium or carnation after one good wetting will go a week without any signs of wilting, while a verbenas will quickly wilt if not kept thoroughly wet. Perhaps the secret of successful propagating is never to let cuttings wilt.

The fungus which in close stuffy houses

so often carries off thousands of cuttings at short notice seldom troubles a cutting bed where the temperature of house is low, and if it does a watering of the sand with ammoniacal mixture whenever a fresh batch of cuttings goes in will effectually keep it under. In conclusion would say that while comparatively few florists need a special propagating bed all are able to fix up a bench or portion of one in the way I have endeavored to describe, and will answer all purposes.

A great deal has been said and written about rooting carnation cuttings of late, particularly by those who never "struck" a carnation cuttings 10 years ago. Many are maintaining that a carnation should never have bottom heat while rooting. I can truthfully say that in such a house as described for several years I rooted Degraw, Edwardsii and La Purite with such success that I used to think sometimes that I took out more cuttings than I put in, and saw no loss of vigor in the future plant, but it is perfectly true that carnations root in a few inches of sand on any ordinary board bench, one of the benches of a carnation house is just as good as any, only it takes two weeks longer to form roots than it does where the bottom heat is 65° and the atmosphere 50°.

WM. SCOTT.

#### Plants for a Shaded Bench.

What can be profitably grown on the south bench of a house of Bride roses, the bench being entirely shaded during the winter months by the ridge of the next house. Back of bench eighteen inches from the glass.

F. R. C.

The above is referred to me. I have unfortunately just such a bench. From middle of November to middle of February it is useless for roses or almost any other flowering plants. The remainder of the year it is just as good a bench as any other for those plants that need a rose house temperature. If you could get the bench low enough, say 3 feet from the glass, you could grow callas there. It is also a good place for Eucharis amazonica.

The best way to answer this question to the best of my ability is to say just what I find on this bench at the present time. It sounds a good deal of a mix up, but all are doing well. I have a batch of *Pteris tremula* and *Pteris argyrea*, young plants of *Nephrolepis tuberosa* and *exaltata*, *Kentia Belmoreana* and *Forsteriana*, a few thousand young plants of the variegated and green vinca, also *Abutilon vexillarium* (the latter three named I grow for vases, and if they do grow a trifle spindling it does not matter), and last I find there a lot of 2-inch *achyranthes* of the different kinds. I think this is choice enough. I may add, if F. R. C. is a large grower of cannas, and has need to increase his stock now, the bench described would be an excellent place to do it.

W. S.

#### Glazing.

What is the best and quickest way to glaze hot bed sash with putty or the putty bulb so as to do a first-class job?

MASS. SUBSCRIBER.

In my experience I have found that the best putty that can be procured is the cheapest in the end. To 100 pounds of this add 20 pounds of good white lead, thoroughly work this together, then take an old table knife with the blade slightly bent back and from 4½ to 5 inches long, and with a lump of the putty in the left

hand commence by taking a slice of the putty on the full length of the knife blade. Press enough of it on the rib of the sash to insure bedding the glass tightly; it is best to put all the putty needed on the sash before bedding the glass, then take the glass, beginning at the bottom of the sash, bed it as firmly as possible, allowing one-fourth of an inch lap on each light of glass. Have the sash laying flat on wooden horses during the process. As soon as the glass is all bedded take zinc tacks (about ⅝ of an inch is the best size) drive one at the bottom of each light of glass on each side and another about one-third of the way up the light from the bottom. This keeps the glass rigid. When this is done, with a square ended



PATH UNDER A GUTTER.  
DREER'S NEW GREENHOUSES.

putty knife scrape all the loose putty off the top side of the sash, leaving it smooth; then turn the sash carefully over and take off the back putty in the same way. Place them as finished in some dry warm shed if possible for a day or two, or till the putty is a little set, then give them a coat of good paint, covering all the edges of the putty, and "Subscriber" will have the best all round job of glazing that I know of.

With reference to using the knife above described a little practice will soon teach the operator how to do it expeditiously, and it certainly saves a great deal of time and does better work than any method we have ever tried here. Of course the glass should be bought of the right size to fit the space and the top edge of the heads of the sash should be rabbeted to allow the edge of the glass to be pressed up into it at least one-fourth of an inch to make it water tight. Some think the addition of the white lead to the putty is not necessary, but from our experience we have found it more than pay for itself. We have hotbed sash and greenhouses also that have been glazed with such a mixture of putty and lead for thirteen years, and the glass is still as firm as when first done, while some other work which was done by contract where the white lead was omitted less than one-

fourth of that time and the glass is getting quite loose in very many places already, so that the best way is always the cheapest, at least such is the experience of

JOHN N. MAY.

#### Evolution in Greenhouse Building.

One of the finest examples of modern commercial greenhouse architecture is to be seen at Henry A. Dreer's establishment at Riverton, N. J. An acre of ground has just been covered with eight houses 150x28. These are not separate houses but are arranged side by side without dividing walls, the whole being enclosed on three sides by glass and galvanized iron and connecting at one end by a corridor house 250x28.

The height of the ridge poles is 14½ feet and the gutters are 6½ feet from the ground, supported on 3x2½ inch T iron arches; these rest on stone foundations and are set eight feet apart. The width of the arch span is 30 inches and this space under each gutter, ordinarily taken up by the wall, is utilized for a walk. Two other aisles run parallel with the gutter walk in each house; these are but 24 inches wide and divide the table spaces into uniform sections of seven feet in width, making three tables 150x7 in each house or section. There isn't a single foot of dead room in the whole range, every table has a free circulation of air and plants can be reached by the hose from all sides.

The ridge is supported on 1½-inch iron pipe, and before this is put up a double V is slipped on, fitted with a set screw; 1¼-inch pipes lead from this to a purlin the same size which runs along about midway of the sash bars and to which each is attached by means of an inch strap iron, fastened with screws. A novel feature of this purlin is that it also serves as the water pipe and from it at intervals of 35 feet short pipes with spigots come down a convenient distance, to which hose is attached.

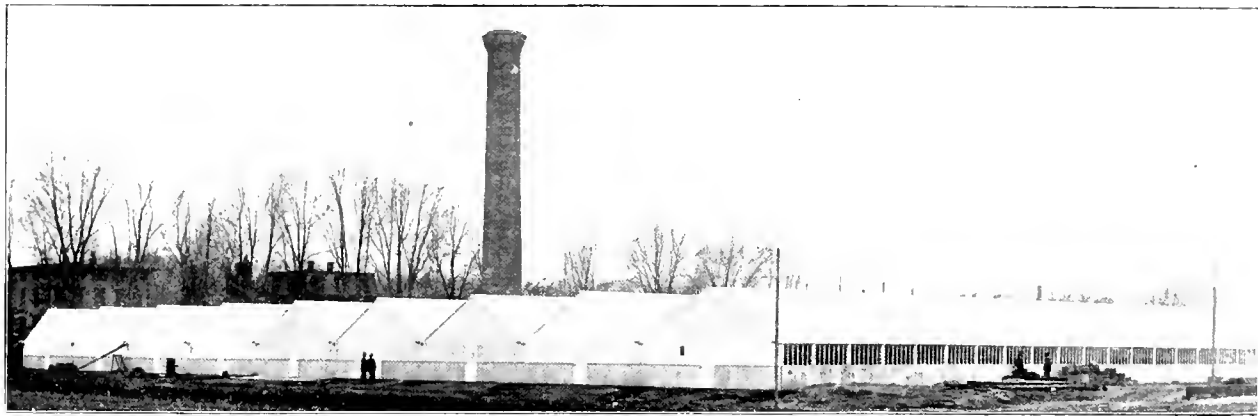
The tables are of 1¼-inch iron pipe legs with 2¼-inch angle iron edges rounded on the corners and 2¼x1½ inch angle iron supports across the bottom on which rests the 12x24-inch slates, some ⅝ to ½ inches thick.

The gutters between each section are 10 inches in the clear and covered to the depth of half an inch with asphaltum; this is melted to the consistency of tar and poured in the gutter, it soon sets and makes a most durable and tight job, very much better than tin or zinc, which gather water from condensation underneath and soon rot out the woodwork.

The sash bars rest on a 5 inch board that is fitted to the edge of the gutter, the bottom edge of the bars is cut out and let down so they are below the top of the board; they do not fit close up, there being a short space left so that the drip from condensation falls off and does not reach the gutter plate. A new gutter was recently fitted in a house 10 years old that had been constructed in this manner and the bars were all perfectly sound.

The sides and one end of the house is sheathed with boards, then waterproof paper, and outside over all is a covering of corrugated galvanized iron. This wall is about three feet high and from this to the gutter the balance is glass. The ventilating is done by the Evans system.

The heating arrangements are a feature in themselves. There are four 45 horse power boilers of the return tubular pattern. As the system is hot water under pressure the steam dome has been re-



AN OUTSIDE VIEW.



ONE OF THE 28-FOOT SECTIONS SHOWING CONSTRUCTION AND MIDDLE PATHS.

H. A. DREER'S NEW GREENHOUSES, RIVERTON, N. J.

moved from the boilers and the steam space in the boilers entirely filled with 4-inch tubes. The fire first passes underneath the boiler, then back through the lower section of tubes, which are divided from the upper tiers by a firebrick partition built at the chimney end of the boiler, and returning through the upper section passes into the smoke flue and to the stack. This plan has been found to work well and seems to be economical. Each boiler is connected by a separate flue to the stack and can be run independently of the others. This plant can be connected with that of the old houses in case of an emergency.

The pressure is obtained from an open tank elevated 20 feet, giving 10 pounds pressure. A 6-inch flow from top of each boiler empties into a 12-inch header from either end of which an 8-inch main carries the water, this gradually reduces to a 6 and then to a 5-inch main as each section is supplied. The mains are carried to the end of the house farthest from the boiler and the water returns through smaller pipes from manifolds to the return mains at the other end with a fall of ten inches and thence to the boiler. All the pipes are underneath the tables

resting on pipe supports screwed into the table legs.

The boiler pit occupies about 30 feet of one end of one of the large sections about the middle of the range. Mr. Eisele believes in giving this good space to the boilers instead of hiding them away in a dark cellar. The dampers are controlled by chains, but do not work automatically. The coal bins are conveniently located so that the coal can be dumped in from a cart, and a separate bin is provided for ashes. Buckwheat coal is used, as this size is considered the most economical. There are seventeen rows of 2-inch pipe in each section, or what would make about  $4\frac{1}{2}$  miles if straightened out. The stack is square, 42 inches in diameter in the clear, with walls 18 inches in thickness.

A corridor house extends across the ends of the sections, a door opening from each into it. This connecting passage is a large greenhouse in itself, being 25 feet wide,  $14\frac{1}{2}$  feet high and 25 feet long; it is filled with azaleas and kept cool.

From this there also is another corridor house connecting an older range of fern houses and making at the same time a covered passageway between the office

and the new addition. It is not now necessary to step out of doors in going from one house to another over the entire place, as all the ranges are joined together by sheds or corridor houses.

The lumber used is every stick clear cypress, the glass is first quality double thick, size 12x16, lapped and bedded, 93,000 Van Ruyper glazing points were used in setting the glass. The whole woodwork is coated with good white lead.

The erection of this extension was personally superintended by Mr. J. D. Eisele and was almost wholly completed by the mechanical force of the place. The plans both of construction and heating were all drawn by Mr. Eisele and show him to be a first-class horticultural architect.

K.

#### A Hanging Fernery.

A hanging fernery recently patented by Mrs. G. P. Fitzgerald, of Duarte, Cal., consists of a porous earthen vessel which is kept filled with water, the fern roots being wired to the exterior and the interstices filled with moss. A photo-process plate of a year old fernery shows it to be a very handsome object.



## New York.

When President Allen rapped the meeting to order on the evening of December 9 it was plain that the New York Florists' Club had business of more than ordinary importance on hand, for the gathering was the largest seen at a club meeting for many months. The special occasion was the annual election of officers, and members from far and near had assembled to cast their votes and use their influence in the interest of one or the other favorite candidate. Before proceeding with the regular program the president spied the genial face of the honored chief officer of the Society of American Florists, Edwin Lonsdale, among the audience and invited him to a seat on the platform. Jas. Donlan, manager of the recent floral exhibition at Madison Square Garden, presented his report, showing that the sum of \$1,207, exclusive of the Dean and Cutting prizes, had been awarded in premiums, and stated that considering the short time given for preparation the show might be considered a great success. He urged that in the future intending exhibitors should endeavor to make early entries, and spoke of the embarrassment suffered by the management in consequence of neglect of this duty. He further recommended that in future special provision be made in the interest of the private gardeners, giving them classes separate from the commercial growers on the schedule.

Mr. Lonsdale was next introduced and received a vigorous round of applause, to which he responded briefly, saying that he was glad to be with his New York friends, that he always enjoyed visiting New York, and that after having rubbed up against the bright lights here assembled he should go home feeling greatly benefited by his visit. He closed with a promise to make a longer stay next time, and expressing thanks for his reception. The president here called attention to a collection of flowers of *Cypripedium* insigne in many choice forms which Mr. Lonsdale had spread on the table, and ten minutes intermission was spent in examining them and discussing their good points.

Election of officers was the next thing in order. Messrs. May and Dailedouze were appointed tellers, and after collecting, sorting and counting the ballots announced the following as the names of the successful candidates: For president, Chas. H. Allen; vice-president, Samuel Henshaw; secretary, John Young; treasurer, Chas. B. Weathered; trustees for two years—W. F. Sheridan, Eugene Dailedouze and John I. Raynor. And these gentlemen were declared the officers-elect for the year 1896. An invitation from the noted artist Paul de Longpre to visit his exhibition of water colors at the American Art Galleries was received with a vote of thanks, and adjournment then followed. The election of Mr. Samuel Henshaw to the office of vice-president was a recognition well bestowed upon a man who by long years of active service, by his devotion to horticulture and his many noble qualities of mind and heart, was eminently worthy of the honor conferred.

Cut flower trade, from the retailers' point of view, is highly satisfactory. The demand is good, and the retailers are buying their stock lower and on more favorable terms for themselves than ever before. From the standpoint of the growers things do not look so rosy, and it does not appear as though holiday returns would be of such a character as to compensate for the shrinkage of values up to date. The retailers are getting very

exact in their requirements; the return of a lot of smilax recently because it was pronounced to be 24 hours old is a case in point. Chrysanthemums are gone at last, and nobody seems to mourn. Roses, carnations and violets are showing steady improvement in quality, a result of more seasonable weather.

A movement is on foot among the private gardeners to organize a society composed exclusively of those identified with this profession for purposes of mutual intercourse and benefit. The large number of highly educated and skillful gardeners employed on the many beautiful estates along the Hudson River and at Lenox and other New England places is a guarantee of the influence such an associ-



PRESIDENT C. H. ALLEN.

ation is bound to exert, and in these days of many organizations none will be found better equipped for intelligent and beneficial co-operation than the private gardeners of this section.

An invitation to the Flatbush Florists' Bowling Club to come over and try conclusions with the high rollers of New York is among the probabilities for the near future. Something of this sort is needed to revive the interest in the sport, which has remained in a dormant condition for some months.

It was J. Condon's Queen's Daughter, not Lorna Doone, that received first prize for seedling chrysanthemum at the recent show. Lorna Doone was given a certificate of merit.

Geo. E. Bennett is sending splendid mignonette to John I. Raynor for so early in the season. Another grower is in with the first tulips of the season.

Siebrecht & Wadley are cutting now from a house of auratum lilies. The magnificent blooms make a grand show in the store window.

The Natural Prepared Plant Company has been incorporated with a capital of \$15,000.

## Philadelphia.

The first snow storm of the season visited this neighborhood Monday evening, some two inches of snow falling. The weather is now quite cold, the thermometer remaining below the freezing point all day for several days past. All kinds of flowers are quite scarce, and it does not take much hustling on the grower's part to dispose of his stock.

The demand for flowers the past week

has been very good, and all the stores have had about all they could do. Beauties have been very much in demand, as have all other kinds of first-class stock. Prices have moved up a notch, and before long another step higher is expected. They will still have to move higher to be up to last year at this season, so says a grower fond of comparisons. This looking up and comparing prices and business is a fascinating employment when present figures are favorable, but when found otherwise it soon loses its zest. Beauties are now \$5 per dozen for the best, \$4 for good flowers, 2 to 2.50 for medium long, and from the latter figure down to \$1 per dozen for the shortest. The stock is equal to any offered at this season of the year, and a goodly quantity is promised for Christmas.

The best of the tea roses bring \$6 per hundred, good common stock selling for \$5. The smaller teas sell for 3 and 4. Morgans, the Lonsdale mark, bring \$8 readily: this rose sells well. Carnations are about equal to the demand at 1.25 to 1.50, and a few of the best bringing 2. Most carnation growers have mastered the art of hunching and packing their flowers, and there is very little loss from neglect in this respect, so common a short time ago. Look out for cold weather and pack carefully are timely words at this season, as some shippers have to have several lots frozen before they realize that winter has set in.

Valley is scarce and sells fast at \$4 to \$6 for the extra stock. Violets are in good demand at \$1 to 1.50 per hundred; they have improved slightly. S. S. Penock is receiving some excellent stock from the south; pity they couldn't send a little more fragrance along with them.

Messrs. Smith & Whitely are now running the business lately conducted by John Crawford on 16th street below Chestnut. They have retained Mr. Crawford as manager.

The stores are beginning to take on a Christmassy appearance; holly and mistletoe and wreaths of various kinds adorn the windows, and inside preparations are seen going on for a good business, which all look forward to with confidence.

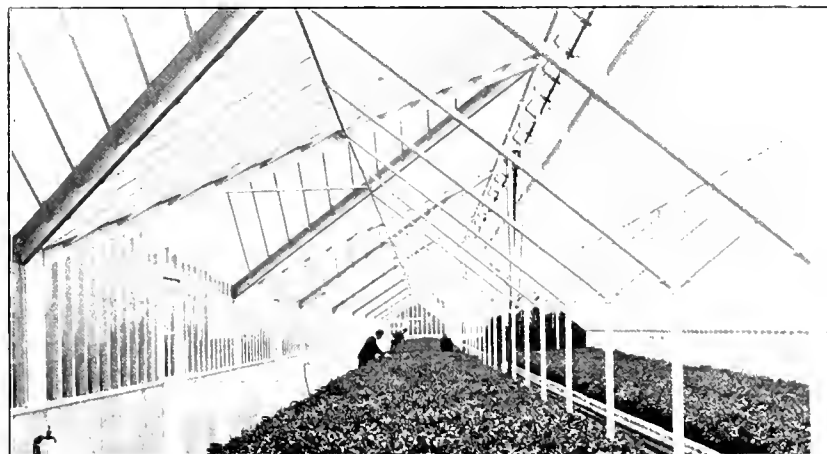
Hugh Graham has taken the property at 104 So. 13th on an improvement lease, and will erect a handsome store and greenhouse. There is to be a fine bulk window on the ground floor and another on the second, which is to be grand show room. The entire building will be utilized, and will no doubt make one of the finest stores in the city. K.

## Boston.

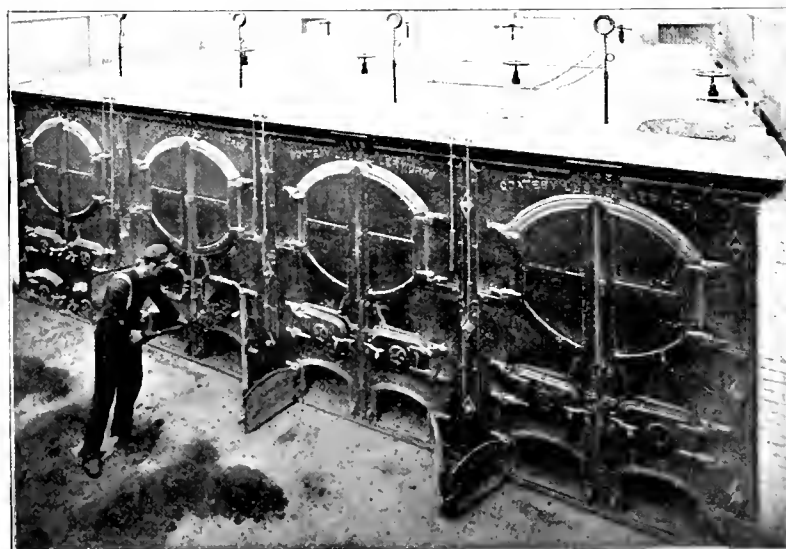
The retail florists appear to be satisfied with business as it is running this month, and claim to be doing as well or better than in past years at the same period. They are buying their cut flowers at lower prices, however. This is especially true of roses, which are selling lower than ever before, the downward tendency which began years ago being still in evidence, with no limit in sight except the ability of the growers to stand it and live. Carnations have evidently reached their upward limit, for the tendency to advancing prices noted in the past two years is no longer apparent, and there is an abundance of all varieties and colors for the normal demand. Violets are selling well, and while there are no phenomenal prices in sight there is every reason to believe that the violet growers have a good season before them, as promising as, if not more so, than the growers of any other specialty in cut flowers. There



A GENERAL VIEW ACROSS THE SECTIONS.



THE CONNECTING OR CORRIDOR HOUSE.



THE BOILERS.

H. A. DREER'S NEW GREENHOUSES. RIVERTON, N. J.

is a good supply of *Harrisi* lilies in the market, and *stelia*, *bouvardia* and other flowers of common grade help to fill up the variety of stock on hand in the florists' windows.

At the meeting of the Massachusetts Horticultural Society on December 7 the reports of the various exhibition committees for the past year were presented. Mr. J. H. Woodford, chairman of the committee of arrangements, called attention in a forcible manner to the insufficiency of the halls and exhibition accommodations for the present needs of the society, and urged the necessity of immediate action on the part of the executive committee. An important recommendation by Mr. A. H. Fewkes on behalf of the flower committee favors the appointment of a botanical committee for the special duty of judging the exhibits of native flowers throughout the year. The schedule of prizes for the year 1896 as presented by the chairman of the prize committee, Mr. W. J. Stewart, shows many important changes in the cut flower and plant classes. Roses and carnations are likely to be more prominent at the spring exhibition in consequence, and forced hardy herbaceous plants and shrubs are also liberally provided for. Foreign grapes will hereafter be shown at the September plant exhibition, and there will be a special aquatic plant display in August.

James Comley made an attractive exhibition of late flowering chrysanthemums at Horticultural Hall on December 7; his *F. B. Hayes* which took a certificate of merit at the New York show was in fine form.

Lawrence Cotter has taken the store at 71 Beacon street formerly occupied by Thos. H. Meade, and Sam Lippman has been placed in charge.

A peculiar demand for damages has been made upon W. H. Elliott by parties interested in ice cutting in the vicinity of his greenhouses, the claim being that the ice is injured by smoke and cinders from his chimney.

J. W. Howard has enlarged his houses at Winter Hill, Somerville, and erected a show room and office which is a model of elegance and convenience.

J. Geist of Melrose had the misfortune to break his leg and will be confined to his house for three months.

Visitors in town: Wm. Prosser, representing J. C. Vaughan, New York, and S. Skidelsky, representing M. Rice & Co., Philadelphia.

#### Buffalo.

We are no longer 'mum, if we have been for three weeks. They are about gone. No doubt there are some slumbering in some cool corner that will show themselves about Christmas eve, but the stores are no longer gay with them. On the whole it is hard to say whether their popularity is waning with us or not. I believe they have sold about as well and for as good prices as last year. I believe the growers in the vicinity have realized better prices for their shipments than heretofore. The exit of chrysanthemums has increased the call for roses. Of first-class roses none too many are coming in. Violets are in good demand and the market for them is not overstocked. The good old standby carnations are selling well. Daybreak leads in popularity, closely pushed by Dorner's immortal seedling *W. S.* From present appearances the city will be flooded with holly. Car loads have arrived. This trade will soon be out of the hands of the regular florist and

will be conducted by various grades of people who happen to be out of a job at this merry season. While holly is so plentiful where, oh where, is the ground pine? We seem slipped up entirely, and about one-fourth of our orders only will be filled. Well, we can't help it and won't grumble if all are to share alike. Some say this scarcity is attributed to forest fires, others assign it to heavy falls of snow. We think different. There is little doubt the lady Indian, Mrs. Lo, has heard of the new woman and is tired of making a drudge of herself.

Not many strangers in town this past week, but a few select ones. Mr. L. Vaughan of Chicago gave us a call, and so did our contented-looking friend Mr. Mott. This time Mr. M. was actually only just passing through. A distinguished friend gave us a call this afternoon, but oh so brief; it was Prof. Bailey of Cornell University returning from a lecture tour through Ohio and other far western states.

I hear from reliable sources that the holiday season is to be a gay one. A great many parties are in store for us, and as they will doubtless be well distributed we shall all feel better than we did a year ago. W. S.

#### Chicago.

A special premium of \$50 has already been secured for the exhibition of 1896. This will be offered for twelve blooms of the new chrysanthemum Mrs. W. C. Egan, in three prizes, viz., \$25, \$15 and \$10.

The Horticultural Society will have about a dozen applications for membership to act upon at its next meeting, which takes place the first Saturday in January. All the premiums and other expenses of the late exhibition have been paid, and work will soon begin on the preparation of a schedule for next year. Though the bad weather during exhibition week caused a small deficit, this has proved merely an incentive to stronger efforts for next year. President Chadwick, Secretary Egan and Treasurer Rudd are a strong trio, and they never take back-water.

The entertainment at the Florist Club last Thursday was a very enjoyable affair. The repertory of Mr. Kennedy's phonograph was extensive and varied, and the ladies present were especially pleased. The laughing song appealed with special force to Mr. Sanders, and he fairly outdid the singer. A unanimous vote of thanks was tendered Mr. Kennedy for his entertainment.

It was decided to make the second meeting in January a "carnation meeting," inviting all members to bring to the meeting any blooms for special interest, and arranging for as full a display as possible of flowers from new varieties. The program will include essays on the carnation and discussions upon best methods of growing and marketing this flower.

Early on Sunday morning, December 8, fire was discovered in the basement of E. H. Hunt's seed store at 68 Lake street. It originated at the foot of the elevator shaft; the car, being loosened by the fire, shot upward, spreading the fire to the floors above. The flames were soon under control, however, the principal damage by fire being confined to the basement and the woodwork around the elevator. But, as might be expected, damage to stock was a more serious matter. The basement contained bulbs, cape flowers, immortelles and sphagnum. The furnace

had to be torn out, hence the bulbs that escaped damage by fire or water were frozen. The farm seeds on the third floor suffered severely. Coming at this time, when a large stock of supplies was on hand for Christmas, the inconvenience suffered forms a loss that cannot be covered by insurance. The actual loss is figured at about \$4,000, fully covered by insurance. Mr. Hunt kept on doing business in spite of the interruption, at the same place, no change being contemplated, but naturally the damage entails both loss and inconvenience. The trade seems to have been in hard luck here lately.

Ameling Bros. are opening a salesroom to dispose of their stock at 88 Wabash avenue, just across the hall from Kennicott's and Bassett & Washburn's on the same floor. The commission men flock together to the manifest convenience of the retailers.

J. A. Merrifield & Co. have closed their commission business at the corner of Lake and Wabash.

Trade this week has improved, and prices show an upward tendency. The retailers still complain of some dullness, but they are buying more and shipping trade is good. Bassett & Washburn had some very heavy orders from St. Louis, many thousands of flowers being called for to fill a big wedding order there. Flowers vary a good deal in quality, and there are a good many poor roses, the result of dull weather. Beauties vary from \$8 a hundred for short stems to \$5 a dozen for extra long; \$3 to \$4 is asked for good blooms with 15 to 24 inch stems. Average rose stock goes at \$3 per 100; fine Perle and Morgan \$4; Brides, Bridesmaid and Meteor \$4 to \$5, \$6 for select stock. Testouts, select, are \$6, and much in demand.

Carnations differ very much in quality, but there is not an over-supply, and good stock brings \$1.50 to \$2, with fancies at \$2 to \$2.50; these include Daybreak, Scott, Rose Queen and some selected fine whites. Choice valley is held at \$6. Romans are \$4, narcissus \$3, and in little demand. Violets are very short and in good demand; they are worth \$1.50 to \$1.75. Christmas prices are as yet somewhat unsettled, but the general sentiment of the commission men is against any sudden and violent advance.

#### St. Louis.

There is little to say about business in our town; since Thanksgiving it has been very quiet. Flowers are not over-plentiful, at least those grown in the vicinity. The prospects so far are that most growers will be short of roses during the holidays, especially if the dull weather continues. With this one exception everything promises to be in full supply. Romans and paper whites are coming in more plentifully every day, and bring \$4. Harrisii are in great demand at \$12. Callas go at 8. On violets the price is higher, single sell at 35 cents and double at \$1. Carnations are not over-plentiful just now, extra fine stock brings \$3, others 1.50 and 2. Roses, extra long buds, go at from 4 to 8, such as Brides, Meteors, Kaisers, Bridesmaid and Mer-mets. Beauties, large long stems, 35 to 50, short 8 and 10.

Holly has made its appearance; the store fronts are putting on a holiday attire. The holly which is on the market now is good but not heavily berried. I think holly will hold its old time popularity this year. A heavy demand for ground pine is reported, but it is scarce and high priced, the scarcity and high

price should benefit the florist, as the fakir will not be able to handle it.

Florists Riessen, Ostertag and Young are making great preparations for the Von Gontard-Busch nuptials. C. Young & Sons Co. will decorate thirty-nine rooms in the Southern Hotel and in all different colors; they will use 5,000 roses, 5,000 valley, 12 cases of wild smilax, 12,000 white and yellow 'mums, and all their plants in stock. Riessen Floral Co. have the church, residence and bouquets to furnish. They will use 200 Beauties at the house and plants at the church, 5,000 white 'mums, 5,000 valley, 2,000 Harrisii, 3,000 Bride roses and 5,000 s'evia. No garlands will be used, only wild smilax and plants. The bride's bouquet will be of lily of the valley with white and gold ribbon. The six Bridesmaids will have arm bouquets of yellow 'mums and yellow ribbon, the maid of honor a Trilby bouquet of calla lilies and white ribbon.

Ostertag Bros. will furnish the large parlors and dining room of the hotel; they will use 1,000 Harrisii, 5,000 valley, 2,000 white 'mums, 2,000 Bride roses, 250 asparagus, 5,000 adiantums and 3,000 smilax. This will be one of the largest weddings ever held west of New York, and lots of work for all hands and the cook.

E. H. Michel has returned from a pleasant visit to Fort Wayne, Ind. Recent visitors to our city were Chas. W. McKellar of E. H. Hunt, Chicago; J. Austin Shaw and J. Kroder, both representing Siebrecht & Wadley, New York.

Monday night the Chinese had another picnic with the Japs; they were in full force again and the Japs were short two men. The highest single score was made by Fred C. Weber, 241. C. C. Sanders was second with 233, and J. J. Beneke third, 220. The largest three games rolled were by J. J. Beneke, his total was 570; F. C. Weber second with 554, and Alex Waldbart third with 504. J. J. B.

#### New York Cut Flower Exchange.

The florist who visits New York and then goes away again without taking a look at this bustling resort makes a great mistake. True, one must get out of bed long before daylight if he would see the sight at its best, and the trip to the 34th street ferry by starlight on a winter's morning is made only at the expense of much discomfort, but once there the visitor is well repaid for his trouble. At six o'clock a. m. in the busy season the place is almost impassable. Each grower has his own regular stall for which he pays rental to the association. There are a few large growers among the number, but the majority are from establishments of small extent, and the goods spread out before the buyers are as various in character and quality as the personality of their owners. The frequenters of the place represent every nationality and every condition found in a great cosmopolitan community. There is plenty of pushing and jostling, but good nature prevails in the main, and quarrels are rare and confined to the hordes of Greek sidewalk vendors who flock to this place as they do to any place where large quantities of flowers are accumulated.

The rules of the place differ from those in force at similar establishments elsewhere in that the commission men are permitted to hold space and do business on the same terms as the growers, and several wholesale men have stands for this purpose which they occupy during the market hours, that is till about 8 a. m.



FRANK MILLANG'S CORNER



A CROWD OF EARLY RISERS.

6 30 A. M. IN CHRYSANTHEMUM TIME.  
THE NEW YORK CUT FLOWER EXCHANGE

One commission dealer makes the market his permanent headquarters. This is Frank Millang, who occupies a large space with counters, refrigerators and office, and does a heavy business throughout the day, many of the growers placing their stock in his care at the close of the morning rush, which makes a profitable and convenient arrangement for everybody concerned. This market has a territory peculiarly its own, and on account of its location and existing conditions cannot be said to affect or compete with other wholesale establishments in the city

with which it has but little in common. The president of the company the present year is W. H. Siebrecht, and secretary, George Mathews.

#### Brockton, Mass.

Copeland & Cooper, the new firm who purchased the store of B. Ellis Eaton, have just had a new nice box built. It is a beauty and finely arranged. They display in their store a fine specimen orange tree, well fruited, which attracts a great deal of attention.

The white carnation is certainly overdone this season, they have been a drug in the market in all grades, but Scott and Daybreak have sold readily at good prices.

W. B. Arnold & Co., who purchased the greenhouse end of B. Ellis Eaton's business at 243 Belmont street, are getting things in good shape. They make a leading specialty of Souper roses in 4 inch pots for spring trade, and will grow 10,000 or more this winter.

There is some talk of starting a Florists' Club to take in all florists in Plymouth county, if it should materialize we will undoubtedly have a chrysanthemum show next fall. A.

#### Toronto.

Stores are beginning to don their Christmas garb, and the public mind is being brought into seasonable spending condition by every possible means known to man. The cut flower holiday trade promises to be much larger than it has been for some years, and it is a little doubtful at present whether there will be enough flowers to go round. The big growers all have a large outside trade to look after, besides retail stores of their own in the city, so that retailers will have to depend principally on themselves and the smaller growers. "At homes," parties, receptions and other social entertainments have been more prevalent this fall than for several years. It is to be hoped that we are on the home stretch for good times now, though progress will probably be slow, and perhaps 'tis better so.

Mr. A. Macpherson, formerly gardener to Col. Sweny, leaves Toronto this week for Chatham, Ont., where he goes to open business on his own account.

"Is there anyone here who signed this petition?" asked the chairman of the Parks and Gardens Committee when the petition brought to the council mentioned in my last week's notes was brought up for consideration. There was no answer, and it was found that not a single one of the signers had come down to back it up. It is anything but a pleasure for your correspondent to keep writing diatribes on the iniquities perpetrated by certain florists in this city, but when such an utterly useless and vexatious agitation is kept up, apparently only with the object of injuring the Park Commissioner and of splitting up the G. & F. Association into its original fragments, what can one do but hold such actions up for public condemnation? If I could see the least sign of an effort to improve the trade or to advance horticulture I should be quite willing and glad to give credit for it, but not a solitary word about any such thing is heard. However, the Association is now stronger than ever, and is not going to be split up by any such tactics, and if any reform concerning the trade is necessary the Association will be willing to use its strength and influence to obtain it in a way which will at least secure earnest consideration from higher powers. A great deal more might be said, but I forbear; it is near Christmas, let us be merry. B.

#### Cincinnati.

The past week has been cloudy and stormy, with a fall in temperature to 10° or 12° above zero; it has shortened the cut of bloom. Bulbous stock will belate, the reason I think because it was kept too dry after boxing to make roots. At Freis' and Schneider's the stock of carna-



tions is looking well, but they will be late. Bridesmaid seems to be a late bloomer.

At Julius Schuman's everything is looking well. He will cut a good crop of carnations for Christmas. Julius knows how to grow ferns, but he says there is no sale for the plants in our market.

A. Sunderbruch's Sons had the decoration for the Melish-Harris wedding, American Beauty roses and chrysanthemums were used. Critchell and Hardesty furnished the bulk of the flowers for a large funeral last week. Hoffmeister Floral Co. and Mrs. Kresken report plenty of funeral work.

H. L. Sunderbruch and wife visited Atlanta the past week. Harry says they treat you royally down there; they even loaded the train with refreshments when our friends left. Walter Gray has another heir. Mrs. Robt. Murphy is out of town this week. Quite a party of the Cincinnati boys went over to E. G. Hill's on Thursday, the 12th.

The commission houses report market good, stock pretty well cleaned out.

WM. MURPHY.

#### San Francisco.

Business the past week has livened up considerably and the scarcity of stock makes the ruling prices pretty good. The general run of chrysanthemums coming in is far from being as good as a few weeks ago. H. E. Widener is about the finest 'mum now in the market. These bring a dollar a dozen. M. Lynch is the chief source of supply now for 'mums. All the Chinese growers suffered considerably from the recent heavy frosts, much to the satisfaction of all the legitimate growers. White is very scarce in 'mums at present.

The Sunset Seed and Plant Co. suffered badly from the recent frosts, losing quite a number of 'mums. The big foot ball game on Thanksgiving Day cleaned up all the good yellow chrysanthemums in sight, also the reds. There is quite a run on carnations lately, Portias now bring \$3 per hundred and the quality is very good. Violets, as usual, particularly Marie Louise, are very scarce, as are also good roses. Some fine Testont are seen, also Bridesmaid. Shipping trade is reported brisk lately. The California red berry, which takes the place of holly here, was not in demand so much as in former years. The berries are unusually fine this season and will be in fine shape for Christmas trade. Hyacinths and narcissus have made their appearance, but the call for them is very poor.

Atkinson & Malcom of Woodside lost every chrysanthemum they had with the frost last week. The loss is a very serious one to them.

On November 29 the well known firm of Grallert & Co. was dissolved by mutual consent, Mr. Paul W. A. Grallert having purchased the entire interest of Mr. Chas. Fick and will hereafter conduct the business.

Mr. James Forbes of Mortui & Forbes, Portland, is in town. He reports stock as very scarce in that city. He is accompanied by Jas. Johnson, the Superintendent of Cemeteries.

Around Santa Clara and Menlo Park the onion and sweet pea fields are about planted, and the growers are patiently awaiting the arrival of the long-delayed winter rains.

METEOR.

#### Lowell, Mass.

Sheppard & Son have sold out their business on Merrimac street to Hartford

& Co., but continue a local business at their Fairmount street place.

James Walsh of 170 Foster street has bought land on Stevens street, where he built one house the past summer.

Patten & Co. of Tewkesbury have erected three new houses.

Chas. L. Marshall of 707 Stevens street opened a store at 115 Merrimac avenue November 7, and is running it in connection with his greenhouses.

J. S. Hoynes of Graham street has opened a store nearer the business center; it is in charge of Mrs. Hoynes.

Business has been good this fall, but supply was greater than demand, and prices low.

C. L. M.

#### Hackensack, N. J.

An interesting place to visit is the establishment of Messrs. Lehnig & Winnifeld. This enterprising firm does a wholesale business almost exclusively. Their specialties are cyclamens, cannas and carnations, and all their stock is in fine condition. The cyclamens were very fine. The plants were large, well shaped and full of flowers of a variety of shades of rose, pink, crimson and pure white. Every one of these plants is ordered for the holidays, and Mr. Winnifeld told me they could sell many more if they had them. The carnations here are doing very well, a house of Wm. Scott looked in fine condition and was filled with large flowers. Uncle John also does well here. Other varieties that were noticed were Daybreak, Helen Keller, Corsair, Little Gem and Bridesmaid. Lehnig & Winnifeld grow a lot of carnations in pots for spring sale, and find them very marketable. They also have a house of mushrooms just coming in that looks very promising.

Henry Hugues has rented the Gamewell greenhouses and is doing a retail business there; that is to say a local trade as well as sending in to New York. He also makes cyclamens and carnations his specialty, but he grows quite a variety of stuff. His cyclamens are very fine in coloring of both leaf and flower. One odd thing in a cyclamen was noticed here; a plant with a double flower and also the leaf lapped over at the stem as if it too was double. The plants were all large and well grown. It seems as if the air in this part of New Jersey must suit this plant. Mr. Hugues has found sweet peas a useful flower in his local trade. He has a nice lot just coming in. He has had good success with them. In carnations Wm. Scott is grown here with good success, also Daybreak and Portia. Mr. Hugues will have a large quantity of hyacinths later in the season for use in his local trade.

Capt. John J. Phelps is another of our enterprising florists. During the past year he has enlarged his plant, the "Red Towers Greenhouses," and is doing business in palms, ferns and cut flowers. He has moved into a commodious store on Main street and will keep a stock of seeds, bulbs, etc.

S. M. T.

#### Des Moines, Ia.

There has been a marked increase in the volume of trade since last report. First, we had a good Thanksgiving trade, and some report an increase of fifty per cent over last year.

Julius Ledig sprang a surprise on us last Saturday evening by taking unto himself a better half. That all wish him joy and happiness goes without saying. His fine bed of American Beauties will

probably not get as much care as of yore, not for a while at least.

The death of a popular city official made a heavy demand for funeral flowers last week. The elaborate display included arrangements by florists W. L. Morris, J. T. D. Fulmer and Peter Lambert. A large anchor was sent by the State Hort. Society.

J. T. D. F.

#### Weedy Lawn—Tennis Court.

I would like to know the best method of clearing a lawn of weeds. I do not know what the plant is; it resembles wild thyme and is so thick that it is overcoming the grass. I thought of turning the sod upside down this fall and sowing it with grass seed in the spring, but if you could recommend anything I could apply to kill the weed it would save a lot of labor, as it would be some time before the lawn would be in condition again after re-sowing.

I would also like to know the exact size of a tennis court, including double and single courts.

SUBSCRIBER.

Your correspondent's description of the weed that threatens to kill the grass in his lawn is not sufficiently definite for identification.

With one or two exceptions there are no weeds that cannot be pretty well exterminated in a lawn openly situated by close and regular mowing, the exceptions are the dandelion and the common plantain. Even against those lawn grass will hold its own, providing the mower is kept steadily at work and the situation is not too shaded. The pest most to be dreaded is the yard or crab grass; there are two species, one from Egypt and the other from India, both annuals and of generally similar appearance. Their flower spikes are from three to five branched and brownish in color and when prevalent giving that color to the lawn. Did they but throw their heads up honestly above the surface the mower would make short work of them, they creep along the ground, safe from the knives, to scatter their fruitage for another year. Should the weed in question be one of these grasses, shave off the turf along with a thin skin of soil, sufficient to pick up all seeds lying on the surface and cart it away, manure with manure free from seeds, dig deeply and sow blue grass and red top of the "fancy" quality in about equal parts of each.

To renew a lawn overrun with docks, Canada thistle or dandelions to such an extent and under such conditions as to discourage an attempt to overcome them excepting by reseeding, the ground should first be for a season lightly and frequently hoed before seeding, this to kill the perennial roots.

A tennis court is 78x27 feet, net across middle, 3 feet 6 inches high at post, 3 feet in middle, service lines 21 feet from net on each side of it.

J. A. PETTIGREW.

#### Full of Resource.

"Ah, Colonel! Packing your traps for Washington, I see!"

"Yes; I expect to make this my triumphal session!"

"So! I hear there was much dissatisfaction, hard to overcome, in your district!"

"There was, there was. Had to shut off the seed corn and speckled beans from the Agricultural Department, but got it all fixed up for this session!"

"How so?"

"See that trunk?"

"Yes."

"That contains eighty-four different resolutions of sympathy for Cuba. I'm going to make the fight of my life, and it will be all Fourth of July when I get home!"—*Cleveland Plain Dealer.*

## Greenhouse Building.

Winchester, Mass., John D. Twombly, carnation house 30x240.

Milford, N. Y., Wm. Wagner, one greenhouse 18x80.

Greenwich, Conn., Alexander Mead, commercial house 20x115.

Union, Maine, P. Thurston, one forcing house 18x50.

Ithaca, N. Y., Lake View Cemetery, one propagating house.

Kingston, N. Y., (intending to build) J. B. Burgevin.

Dedham, Mass., P. J. Twohy, two commercial houses.

NORTH WOBURN, MASS.—A. Watt added one house last summer 100x20 for carnations. Wm. Croughan, who has been growing cucumbers, has now changed to carnations; he has one house consisting of 3,000 feet of glass.

## SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

**SITUATION WANTED**—By a first-class florist for growing roses, carnations and violets; best of references; married. A. care American Florist.

**SITUATION WANTED**—By first-class grower of cut flowers and plants, well up in all branches of business. Illinois or Missouri preferred. References. A B C, care American Florist, Chicago.

**SITUATION WANTED**—By young man, 21 years of age, as assistant at greenhouse work, where there would be a good chance to improve; experience of 6 years. Answer, stating wages, etc. Address IMPROVEIT, care American Florist.

**SITUATION WANTED**—By first-class foreman of large man, as foreman in a large commercial place. Rose, carnation, chrysanthemum and plant grower. Married. Southern States preferred. Best references furnished. Address, with all particulars, CHAS. A. MOSS, Dandridge Pike, Knoxville, Tenn.

**WANTED**—A No. 1 rose grower as foreman of large commercial place. Married man preferred. Liberal salary paid. Only man of experience and first-class references need apply. Must be good manager. Address JNO. DICK, JR., 250 South 11th St., Philadelphia, Pa.

**WANTED**—A first-class man, one who can work and capable to take charge of houses and look after business. Must be good grower of carnations, mums, palms, etc. One who understands taking care boiler, etc. Also, he must be a first-class design maker and decorator. To such I have a permanent position and good wages. None others need apply. Address CENTRAL, care American Florist.

**FOR SALE**—Five greenhouses, located in the healthiest climate of the west. For particulars, address Box 542, Canon City, Colo.

**FOR SALE**—Three greenhouses 150x22 ft., stocked with roses. Or want a partner with small capital. Address JOE BEDNAREK, Lake Forest Ill.

**FOR SALE**—Retail store in good location in Chicago. Established 13 years. Easy terms to right party. Address Box 12, American Florist.

**FOR SALE**—Old established florist business in good condition, 70.0 feet of glass, 4 acres land, well stocked with roses, carnations, violets, and general stock, in eastern Connecticut. Would like to go into other business. For particulars address E & H, care American Florist, Chicago.

## SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.  
When writing mention American Florist.

## Pansies Worth Raising.

Good medium sized plants from frames, \$5.00 per 1000. All others inaccessible at present. Cash with order.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.  
Near West Side Ave. Depot of Newark & N. Y. R. R.

## WANTED.

Importer of Orchids for large quantities.

C. EBERT, Commercial Florist,  
Oetzsch, Leipzig, Germany.

T. J. CORBREY & CO.  
OFFER

The finest and most complete line of all the leading varieties of

## Roses, Carnations, Violets,

and all other varieties of **Cut Flowers.**

We make a Specialty of Valley, Orchids and Asparagus, of which we always carry a stock.

WE PAY SPECIAL ATTENTION TO THE SHIPPING TRADE.

Send your orders by Mail, Telephone or Telegram, and we will attend to them promptly.

T. J. CORBREY & CO.,  
59 Wabash Avenue, CHICAGO.

## HERR'S CARNATIONS.

ROOTED CUTTINGS that will give good results, because they come from healthy stock, and will be well rooted when sent out.

VARIETIES—McGowan, Mrs. Fisher, Daybreak, Scott, Anrora, Sweetbrier, Rose Queen, Peachblow, Dorner, Stuart, Portia, Buttercup, Keller, Iago, Cartledge, Tidal Wave, and all novelties.

Don't place your order before writing to me, no matter if it's a hundred or a hundred thousand, I can fill it.

L. B. 496.

ALBERT M. HERR, LANCASTER, PA.

## ORCHIDS IN GREAT FAVOR FOR CUT FLOWERS.

During the past month the demand for Orchid cut flowers has been greater than the supply. We offer, until sold, good plants of leading sorts at \$50 per 100; and stronger plants, which we recommend to Florists, \$100 per 100.

PITCHER & MANDA, Short Hills, N. J.

## MUSHROOMS

The Money Making Crop.

"Watson's Little Book on Mushroom Culture," 24 pp. 10c. Free with orders on request. "W. P." Brand MUSHROOM SPAWN Always reliable. Fresh and well-spawned. Third consignment of season to hand and can fill orders on short notice. G. C. WATSON, 43 N. 10th St., PHILA., PA.

## Eldorado, Kitty Glover

The best YELLOW CARNATIONS to grow for profit. ROOTED CUTTINGS now ready, @ \$5.00 per 100. Also 30,000 strong rooted cuttings of suitable kinds for summer bloom.

LADY CAMPBELL VIOLETS, rooted runners, @ \$1.00 per 100; \$8.00 per 1000.

W. R. SHELMAIRE,  
Chester Co., AVONDALE, PA.  
Mention American Florist.

## CARNATIONS, Strong Plants in Cold Frames.

E. G. HILL, PORTIA, FRED. DORNER, EDNA CRAIG, MME. ALBERTINI, WM. SCOTT, MRS. HITT, \$5.00 per 100.

All other kinds sold.

Terms, cash with order.

JOSEPH HEINL, Jacksonville, Ill.

## CARNATIONS A SPECIALTY.

Rooted Cuttings. Young Plants. Field Grown Plants in season. Write for prices.

GEO. HANCOCK & SON, Grand Haven, Mich.

## DOUBLE PETUNIAS.

In 10 varieties, \$1.25 per 100 by mail. Orders booked now for Rooted VERBENA CUTTINGS, 20 vars., \$5.50 per 1000, express prepaid.

C. HUMFELD, Clay Center, Kan.

## CARNATIONS

Cut Blooms at Wholesale.

FIELD PLANTS AND ROOTED CUTTINGS IN SEASON.

C. J. PENNOCK,  
The Pines. KENNETT SQUARE, Chester Co., PA.

CARNATIONS  
PEACHBLOW.

Rooted Cuttings ready April 1st, '96, \$5.00 per 100, and \$45.00 per 1000.

Book your orders early and be sure that you will get them. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

Peter Fisher, ELLIS, MASS.  
NEW AND TESTED  
CARNATIONS.

ALEX. McBRIDE,

## Carnation Grower

ALPLAUS, N. Y.

**THE AMERICAN FLORIST**

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

J. M.—The subject has been well covered in preceding issues. Give your full name and address, and we will send clippings.

THE DIRECTOR of the Missouri Botanic Garden announces that three garden scholarships will be awarded next April, and candidates must make application prior to March 1, 1896. One scholarship is at the disposal of the St. Louis Florists' Club, the others are conferred by the Director of the Garden. Inquiries regarding these may be obtained by addressing Prof. W. Trelease, Missouri Botanic Garden, St. Louis.

A VERY instructive display at the recent exhibition at St. Louis was the collection of plants exhibited by Dr. F. Francheschi of the Southern California Acclimatizing Association, Santa Barbara, Cal. The collection included 37 species of plants rarely seen outside of their native habitat or botanic gardens. Prof. Trelease thought that a number of those shown would make highly desirable greenhouse plants useful to florists commercially.

SWEET PEAS.—We have received from W. Atlee Burpee & Co., Philadelphia, a large framed copy of a very handsome lithographic reproduction of a superb painting of sweet peas. The flowers shown include the latest development in sweet peas, and the work is remarkably true to nature, the painting being from the brush of the well known French artist, Mr. Paul de Longpre. Mr. Burpee is to be congratulated on this excellent illustration of his novelties.

**WHOLESALE FLORISTS**

JOEBERS IN  
FLORISTS'  
SUPPLIES,  
FLORISTS'  
VASES.

METS,  
BRIDES,  
GONTIERS,  
CARNATIONS,  
ALWAYS ON HAND.

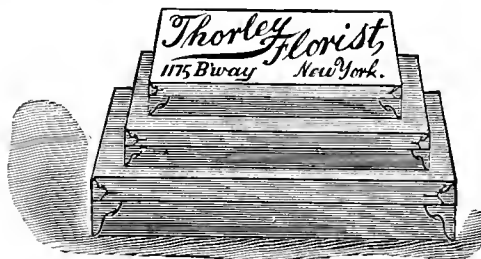
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Always mention American Florist.

**A. & F. RÖLKER,**  
**Down-town Wholesale Florists,**  
106 & 108 Liberty Street (Basement),  
**NEW YORK.**

**SMILAX.**

Heavy strings 15c. per string. Cash.  
DAVIS & BAIRD, DIXON, ILL.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**

NEW YORK SALESROOM:  
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

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FOR USE IN TAKING ORDERS.

Sets from \$1.75 up. 176 Subjects.

For Priced Circular, apply to Supply Dealers, or the Publisher.

DAN'L B. LONG, Buffalo, N. Y.

**W. ELLISON,**

WHOLESALE

**Cut Flowers & Florists' Supplies**

WIRE DESIGNS.

1402 PINE STREET,

—St. Louis, Mo.

**C. A. KUEHN,**

(Successor to ELLISON &amp; KUEHN.)

**Wholesale Florist,**

1122 PINE STREET,

—ST. LOUIS, MO.

A complete line of Wire Designs.

WISCONSIN FLOWER EXCHANGE,

**Cut Flowers, Palms, Ferns,  
AQUATICS.**

See our December Monthly before arranging for Spring Catalogue. Sample free on application.

Box 87.

MILWAUKEE, WIS.

**H. L. SUNDERBRUCH,****Wholesale Florist**

4TH AND WALNUT STREETS,

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**The Boston Flower Market**

is prepared to purchase, on order, and  
ship Trade orders for Cut Flowers at  
prices ruling in the market on day of  
Sale. TERMS STRICTLY CASH.

Address WM. J. KENNEDY, Mgr.,  
Flower Market, Park St., BOSTON, MASS.  
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**Cut Smilax**

15 CENTS PER STRING.

**THE NATIONAL PLANT CO.**

CASH.

DAYTON, OHIO.

**DAN'L B. LONG,**  
**FLOWERS AT WHOLESALE.**  
Strictly Commission Business.

SUPPLIES, ETC.  
LISTS FREE.

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**Wholesale Florist**

1612 & 1614 BARKER STREET,  
Bet. Market & Chestnut, PHILADELPHIA, PA.

**"The National"**

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

**THE NEW YORK  
CUT FLOWER CO.,**

119 and 121 W. 23rd St., and  
112 and 114 W. 24th Street,

IS NOW

**OPEN FOR BUSINESS.***The Largest Dealers in***CUT FLOWERS  
IN THE WORLD.**

Handling flowers of all kinds in quantity we are in a position to fill shipping orders promptly. We shall give careful attention to this branch of the business, and solicit your patronage.

**Asparagus Plumosus Nanus.**

Cut Strings, 8 to 10 feet long,

50 CENTS.

**W. H. ELLIOTT, Brighton, Mass.****BLOOMS OF****Cypripedium Insigne**

Delivered, Express paid, to  
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**Pandanus Veitchii**

WE HAVE SOME EXTRA FINE PLANTS

TO OFFER AS FOLLOWS:

5-inch pots.....\$1.00 each  
6-inch pots.....2.00 each  
7-inch pots.....3.00 each

**F. DORNER & SON,**

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PLEASE mention the AMERICAN FLORIST  
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**WHOLESALE FLORIST**  
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**WHOLESALE CUT FLOWERS.**  
SEEDS, BULBS AND ALL  
FLORISTS' SUPPLIES.

**KENNICOTT BROS. CO.**  
**Wholesale Cut Flowers**  
and FLORISTS' SUPPLIES,  
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**Wholesale Commission Florists**  
59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

We are now prepared to furnish Florists' Wire Designs and a full line of Florists' Supplies.

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Successors to J. B. DEAMUD & CO.,  
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Our Roses best them all, in quality.  
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**WHOLESALE CUT FLOWERS,**  
Wire Designs a Specialty.  
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**ROGERS PARK FLORAL CO.,**  
Wholesale Growers of  
**CUT FLOWERS,**  
41 WABASH AVENUE,  
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We are prepared to fill your orders with first-class flowers. Give us a trial order.

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**COMMISSION FLORISTS,**  
41 Wabash Avenue,  
Telephone Main 320B. CHICAGO.  
Consignments solicited. Prompt attention to all orders.

### Wholesale Markets.

#### Cut Flowers

NEW YORK, Dec. 10	
Roses, Bride, Bridesmaid, Bride, Cusin, Watteville	3.00 @ 6.00
" Meteor, Testout, Kaiserin	2.00 @ 5.00
" Beauty, callis	1.50 @ 5.00
" extra grades	10.00 @ 40.00
Carnations, ordinary	50 @ 1.00
" fancy	1.00 @ 1.50
Valley	3.00 @ 4.00
Chrysanthemums	1.00 @ 3.00
" fancy	5.00 @ 12.00
Violets	.75 @ 2.00
Harrisil	6.00 @ 8.00
Romans	2.00
Adiantum	.75 @ 1.00
Asparagus	35.00 @ 50.00
BOSTON, Dec. 11	
Roses, Gontier, Niphotos	1.00 @ 3.00
" Perle, Ho-te	2.00 @ 5.00
" Bride, Bridesmaid, Mermet	3.00 @ 8.00
" Meteor	4.00 @ 12.00
" Beauty	5.00 @ 25.00
" extra	25.00 @ 50.00
Carnations	.50 @ 1.50
" fancy	1.50 @ 1.75
Violets	.50 @ 1.50
Valley	4.00 @ 5.00
Harrisil, callis	12.00
Paper white narcissus	2.00 @ 3.00
Romans	2.00 @ 3.00
Stevia, Marguerites	1.00
Mignonne	.25 @ 1.00
Cypripediums	8.00
Adiantum	1.00
Smilax	8.00 @ 10.00
Asparagus	50.00
PHILADELPHIA, Dec. 10	
Roses, Beauties, selected	25.00 @ 50.00
" medium	10.00 @ 15.00
" best selected teas	4.00 @ 5.00
" seconds and small stock	3.00 @ 4.00
" Morgans and extra select teas	6.00
Carnations, general stock	1.00 @ 2.00
" selected and choice kinds	2.00 @ 3.00
Chrysanthemums, choice specimen blooms	15.00 @ 40.00
" good medium flowers	4.00 @ 10.00
" small stock	2.00 @ 4.00
Mignonne	2.00 @ 4.00
Valley	4.00 @ 6.00
Violets, single per hundred bunches	3.00
" double	.75 @ 1.50
Adiantum	1.00 @ 1.50
Smilax	1.00 @ 20.00
Asparagus	50.00 @ 75.00
CHICAGO, Dec. 13	
Roses, Beauties long	.25 @ 4.00
" short medium	8.00 @ 15.00
" large teas	3.00
" select shipping stock	4.00 @ 5.00
" Meteors, Kaiserin, Testout, extra	6.00
" Bridesmaids, Brides, extra	6.00
Carnations	1.00 @ 1.50
" fancy	2.00 @ 2.50
Valley	5.00 @ 6.00
Violets	1.50 @ 1.75
Harrisil, callis	1.00 @ 12.00
Romans	4.00
Narcissus, paper white	3.00 @ 4.00
Smilax	12.00 @ 15.00
Chrysanthemums, select, per doz	1.00 @ 1.50
ST. LOUIS, Dec. 11	
Roses, select stock	4.00 @ 7.00
" ordinary	2.00 @ 3.00
" Beauties long	25.00 @ 50.00
" short	8.00 @ 10.00
Carnations fancy	2.00 @ 3.00
" ordinary	1.50
Valley	4.00
Harrisil	12.00
Romans	4.00
Paper white narcissus	4.00
Mignonne	3.00
Violets single	3.35
" double	1.00
Smilax	15.00 @ 18.00
Asparagus	50.00
Chrysanthemums	2.00 @ 15.00
Adiantum	.75 @ 1.00
BUFFALO, Dec. 9	
Roses, Beauties	15.00 @ 25.00
" Meteors	5.00 @ 6.00
" Bridesmaid, Mermet, Bride	5.00 @ 6.00
" Cusin, Perle	4.00 @ 5.00
Carnations, fancy	1.50 @ 2.00
" common	1.25 @ 1.50
" short	.75 @ 1.00
Callis	8.00 @ 12.00
Harrisil	12.00 @ 15.00
Romans	3.00 @ 4.00
Valley	4.00
Chrysanthemums	5.00 @ 15.00
Violets	.75 @ 1.00
Adiantum	1.25
Smilax	12.00 @ 15.00
Asparagus	50.00

**GEORGE A. SUTHERLAND,**  
Successor to PECK & SUTHERLAND,  
Successors to WM. J. STEWART,  
**Cut Flowers and Florists' Supplies**  
WHOLESALE.  
67 Bromfield St., BOSTON, MASS.  
New England Agent for the GREAT ANTIPEST.

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49 WEST 28th STREET,  
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SPECIAL EXTRA STOCK OF  
AM. BEAUTY, METEOR,  
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DISBUDDED CARNATIONS.  
FANCY GRADE.

CATTLEYA LABIATA, splendid blooms.

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Roses Shipped to all points. Price list on application.

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**WHOLESALE • FLORIST.**

Careful Shipping to all parts of the country.  
Price list on application.

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408 E. 34th Street,  
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Cut Flower Exchange.  
A first-class operating for a few good consignors.

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Established 1879. NEW YORK CITY.

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(Formerly with THEO. ROEHRs.)  
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53 West 30th St., NEW YORK CITY.



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P. O. Drawer 164. . . . . CHICAGO

## PROFITABLE SWEET PEAS.

FROM careful personal inspection of all the new and old varieties in the famous pea growing districts in California, and from actual selling qualities shown in the San Francisco Flower Market—the largest in the world for this flower—we find the following seven kinds, for size, stems, prolific habits and other most desirable qualities unequalled. They comprise the leading salable clear colors which are always appreciated. Fill seven vases each with 100 sorays of these, and set them in a row in your window, and you need fear no competition in your trade on this flower.

**BLUSHING BEAUTY**, clear Daybreak pink.  
**HER MAJESTY**, pure solid rose.  
**FIREFLY**, bright fiery scarlet.  
**EMILY HENDERSON**, best florists' white.  
**COUNTRESS OF RADNOR**, soft lavender.  
**MRS. ECKFORD**, largest good yellow.  
**BLANCHE FERRY**, early pink and white.

### PRICES.

1 ounce each, 7 ounces, postpaid, 35 cts.  
 2 ounces each, 14 ounces, postpaid, 60 cts.  
 1-4 pound each (1½ lbs.), postpaid, \$1.00.  
**YOUR CHOICE**, prepaid, ounce 5 cts., 1-4 lb. 20 cts.; 1 lb. 50 cts.  
**EMILY HENDERSON**, lb. 40 cts.; 3 lbs for \$1.00.  
**AMERICA**, the new scarlet and white, pkt. 15 cts., 5 pkts. for 60 cts.  
**CUPID**, dwarf white, pkt. 25 cts.



NEW YORK: **VAUGHAN'S SEED STORE**, CHICAGO: 84-86 Randolph St.  
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**THE COTTAGE GARDENS, Queens, L.I., N.Y.**

Make a specialty of growing large quantities of

**NEW CARNATIONS,  
 NEW CANNAS,  
 NEW GERANIUMS,**

As well as the best tested Standard Commercial sorts especially for propagating young stock for **COMMERCIAL FLORISTS.**

ANY FLORIST can have our *December Trade List* by sending us his name and address.

Give us a Trial Order.

**C. W. WARD**, Manager.

PALM

SEEDS

**VERY IMPORTANT: WE REPLACE ALL PALM SEEDS NON-GERMINATING.**

PHOENIX CANARIENSIS . . . . .	100 1000	\$ .50 \$3.00
" TENUIS . . . . .		.50 4.00
" RECLINATA . . . . .		1.00 7.50
WASHINGTONIA ROBUSTA . . . . .		.25 1.50
BRAHEA FILIFERA, \$1.00 per lb.		
JUBAEA SPECTABILIS, the hardest		
Palm of South America . . . . .	1.25	10 00
CHAMAEROPS EXCELSA . . . . .	.50	3.50
CORYPHA AUSTRALIS . . . . .	.75	5.00
DRACAENA AUSTRALIS . . . . .	.40	3 00
" NUTANS . . . . .	.60	5.00
" INDIVISA . . . . .	.25	1 50
" BAURI . . . . .	.50	4.50

Chas. Schwake, 404 E. 34th St., New York.

**The Great WORLD'S FAIR Success.**

"Lemoine's Hybrids are the chief glory."  
 —American Florist, Aug. 17, 1893.

**GLADIOLUS** Lemoinei and Nanceianus.

(150 first-class named varieties offered at low prices.)

The best new Forcing Shrub

**Deutzia Lemoinei,**

Each 5 francs; per dozen 48 francs.

Apply to **V. LEMOINE & SON**, Nancy, France.

New plants a specialty. Catalogues free.



**TRY DREER'S GARDEN SEEDS,**

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

**HENRY A. DREER,**  
 Philadelphia, Pa.

When writing mention the American Florist.

## ASSIGNEE'S SPECIAL SALE

—OF—

**Hardy American Ornamentals**  
 grown by the well-known

**HIGHLANDS NURSERY,**

conceded to be the finest collection of Native plants in America. A rare opportunity to secure rare stock.

WRITE AT ONCE,

**THOMAS F. PARKER,**

Assignee for Harlan P. Kelsey,

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## Plant Auction.

SALES EVERY TUESDAY AND FRIDAY  
 THROUGHOUT THE SEASON.

**A. & F. RÖLKER**, Auctioneers.

106 Liberty Street, NEW YORK.

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**FLORISTS'**

**Plants, Seeds and Bulbs.**

NOVELTIES A SPECIALTY.

The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

## Here's Your Chance,

As we must have room. We have a BIG STOCK of GERANIUMS on hand and must be sold.

Named Varieties . . . . . \$15.00 per 1000  
 Rose Geraniums . . . . . 20.00 per 1000  
 Mme. Salleron Geraniums . . . . . 15.00 per 1000

All grown in flats in fine condition. Selection of sorts to remain with us. CASH WITH ORDER.

**J. E. FELTHOUSEN**, Schenectady, N. Y.  
 Mention American Florist.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



## Cyclamen Giganteum.

Now is the time to sow. New crop of Seed has just arrived in fine condition from the largest Cyclamen grower in Europe.

Giganteum Album, white . . . . .	100 seeds 1000 seeds	\$1.00 \$9.00
" Rubrum, red . . . . .	1.00	9.00
" Roseum, pink . . . . .	1.00	9.00
" Mixed, all colors . . . . .	1.00	8.50

## Verbena Seed.

New crop just received—grown for us by a specialist. Seed saved from MAMMOTH flowers only, and of strictly the brightest and most salable colors, all with large distinct eyes. NOW is the time to sow seed if you wish strong plants **FREE FROM RUST.**

**CHOICEST mixed**, per oz. \$3.00; per ½ oz. \$0.60.

**SMILAX SEED**, New Crop, 40c. per oz.

Send for our Wholesale Price List, now ready, for a full list of Fresh Flower Seeds.

**CANE STAKES**, 6 to 9 feet long; extra fine quality. \$5 per 1000; 500 for \$3.

**HENRY F. MICHELL,**

1018 Market Street, PHILADELPHIA, PA.

## Complete Catalogue

OF

Fruit Tree Stocks, Ornamental Trees, Shrubs, Evergreens, Roses, Etc.

Grown by

**P. SEBIRE & SONS,**

USSY, (Calvados), FRANCE.

will be mailed on application to their sole Agents,

**C. C. ABEL & CO.,**

P. O. Box 920.

NEW YORK.

300 Acres in Nursery.

1 Acre of Glass.

## Specialties for Florists.

Cardenas, bushy, 15 to 18 inches . . . . .	Per 100	\$12.00
Crevillea, 12, 18 and 24 inches . . . . .	\$6.00	\$15.00
Eugenia Jambos, 12-15 inches . . . . .		12.00
Camphor, 12-18 & 36-40 inches . . . . .	\$8.00	25.00
Cuava Red Cattley, 15-20 inches . . . . .		12.00
Magnolia Fuscata, 8, 15 & 20 in . . . . .	\$12.00	15 & 25
Olea Fragrans, 6, 10 & 20-15 in . . . . .	\$8.00	\$12 & 20.00
Oranges & Lemons, grafted on dwarf stock, blooming size, stocky, 10-12 & 15-18 in . . . . .	\$25 & 40.00	
Otate Orange, bushy, 10 & 12-15 in . . . . .	\$8 & 15.00	

Stock of above all pots-grown, ready now to ship, and in best possible condition.

**FIELD-CROWN ROSES**, including 10,000 M. Niel, budded; Fruit and Ornamental Trees. Rare Conifers, etc. Send for Trade List and Descriptive Catalogue.

**P. J. BERCKMANS,**

Fruiland Nurseries,

AUGUSTA, GA.

## BOXES! BOXES! BOXES!

Three-Piece Wood Mailing Boxes.

The neatest and strongest box in the market. Send 15 cents in stamps for sample nest. We also make Cut Flower and Express Boxes.

Thin Lumber sawed to order for packing.

ADDRESS **W. E. SMITH,**  
 KENTON, Hardin Co., O.

Syracuse, N. Y.

The sixth annual meeting of the Central New York Horticultural Society was held here December 4. The secretary's report was rather long, but gave some good advice for the future development of the society, which he showed to be in a flourishing condition, there being \$288 in the bank to its credit. President A. D. Perry was most warmly commended for the splendid work he has done for it. The election of officers was next proceeded with and resulted as follows: President, A. D. Perry; vice-presidents, T. Bishop, Col. A. C. Chase, D. Campbell, A. W. Palmer, J. William Smith, W. Judson Smith; executive committee, W. Parsons, R. H. C. Bard, J. Huller, G. Ham, W. Clark, G. Batholome; treasurer, F. H. Ebeling; secretary, H. Youell.

After the election Prof. S. A. Beach of the State Experimental Station, Geneva, N. Y., delivered a most interesting and instructive lecture on the hybridizing and fertilization of flowers in orchard and vineyard, which was illustrated by diagrams. Everyone carried away some valuable hint. It was of especial value to private gardeners, as the advice given regarding the planting of different varieties of fruits close together for the purpose of hybridizing was important. The professor deprecated the idea of planting solid blocks of one variety of any kind of fruit, preferring to have rows of different sorts for the sake of fertilization. At the close of his lecture Prof. Beach was asked many questions and his answers showed him well equipped. Black spot in roses was brought up and Mr. Quinlan and Robt. Bard, his rose grower, gave some valuable hints. After the discussion all adjourned to the dining hall, where a fine banquet was served, covers being laid for 40. The president ably presided. After-dinner speeches were not in order, but over a friendly cigar a pleasant hour was passed socially; all voted it the most successful meeting held.

Every florist has had his hands very full the past week. Not only were there many social events, but the sudden death of the chief of the fire department caused the orders to pour in. Such was the extent that it required two large wagons to convey the flowers to the church. Violets are coming in good; chrysanthemums are nearly over, for which some give devout thanks. H. Y.

## CHOICE SEEDS.

### PETUNIA GRAND. PIM. FL. PL

The largest and finest strain of double fringed and mottled Petunias to be had. All who see these Petunias say they are the finest they ever saw. Extra.

### VERBENA GRANDIFLORA.

An exceedingly fine collection of Giant flowering varieties; flowers one inch in diameter of the most showy colors. My customers write that this is the finest strain of Verbenas they can get; requires no better evidence of superiority. Every florist should sow of it.

### CYCLAMEN GIGANTEUM.

A magnificent collection of the finest giant flowering varieties; largest flowers and best colors.

Each, per trade pkt., 25c.; 3 pkts., 60c.; 6 pkts., \$1.00. I will here thank my florist friends for the many letters of commendation received during the past year.

JOHN F. RUPP, Shiremanstown, Pa.  
Mention American Florist.

## PANSY SEED.

### THE JENNINGS STRAIN OF FINEST AMERICAN CROWN PANSIES,

In pkt. of 2500 seeds \$1.00, very finest mixed, all colors. Large flowering plants all sold.

E. B. JENNINGS, Pansy Grower,  
Lock Box 231, Southport, Conn.

## FERNS-SEEDS

in some of the best and current species low: Adiantum, Alsophila, Aspidium (Cyrtomium), Balanidium, Blechnum, Lomaria, Nephrolepis, Polypodium and Pteris. A portion 1 mark.

CASH WITH ORDER.  
H. HERBST, Wandsbek, Hamburg, Germany.

# CHRYSANTHEMUMS.

## Bona fide Novelties.

DISTRIBUTION BEGINNING MARCH 1st.

**AUTUMN BRIDE**—(Exhibited as October Queen). Extra early, pure white, resembling The Queen in form, size and color; height 3 feet. Price, 35c each; \$3.50 per dozen; \$25.00 per 100.

**SUN-CLAD**—Brightest of all early yellows, maturing Oct. 20th. Height 3 feet. Price, 60c each; \$6.00 per dozen; \$40.00 per 100.

**LENAWEE**—Pure white, surpassing The Queen in two very important qualifications, namely: It is double to the center and does not drop its petals. Nov. 1st. 4½ feet. Price, 60c each; \$6.00 per dozen; \$40.00 per 100.

**EDWIN A. KIMBALL**—Crimson and old gold, perfectly double and fine form. Price, 60c each; \$6.00 per dozen; \$40.00 per 100.

**MODESTO**—Intense yellow, unsurpassed in size, with very high full center. Nov. 15th. 4 feet. Price, 60c each; \$6.00 per dozen; \$40.00 per 100.

**VIOLESCENT**—A magnificent variety, extra large, white slightly tinted lavender. Nov. 20th. Price, 60c each, \$6.00 per dozen, \$40.00 per 100.

**RINALDO**—Very late, perfecting Nov. 30th and after. Crimson and old gold. Price, 60c each, \$6.00 per dozen, \$40.00 per 100.

**YANOMA**—The latest white, reflexed, somewhat the form of Vivand-Morel. Nov. 30th and later. 4 feet. Price, 35c each, \$3.50 per dozen, \$40.00 per 100.

A FEW FACTS worthy of consideration before making your selection for the season of 1896.

IT HAS NEVER before been our good fortune to possess a collection so meritorious and more than likely it will be several years before we secure another, which we can conscientiously recommend in every particular; as we do this.

THE HIGH STANDARD of our seedlings will be fully understood in stating that out of the eleven varieties exhibited before the committees of the Chrysanthemum Society of America, nine were awarded a first-class certificate and the deficiency of the others being only one and three points.

WE HAVE SEVERAL other excellent varieties which we could put upon the market, and would compare favorably with those now in commerce; but considering the long list now grown, we deem it best to offer only those which have been certificated, thereby ensuring each purchaser his time and money will not be ill spent.

ANOTHER MATTER which bespeaks merit. Our nearest committee is 210 miles, so all specimens exhibited were packed and transported by express a long distance before examined.

WE EXHIBITED at Boston, New York, Philadelphia, Cincinnati and Chicago, receiving high honors at each and every place.

THIS COLLECTION is larger than any we have heretofore offered, and are of the same high character as Nivens, Golden Wedding and Vivand Morel.

THE HONORS awarded us sustain the foregoing and are most convictive. They are as follows:

AUTUMN BRIDE; first-class certificate C. S. A. recommended at Chicago and Cincinnati.

SUN-CLAD, first-class certificate C. S. A. recommended at Chicago and Cincinnati, also certificate at Indianapolis, Chicago and Providence shows.

LENAWEE, first-class certificate C. S. A. recommended at Chicago and Cincinnati; also certificate at Atlanta and by the Cincinnati Florists' Club.

EDWIN A. KIMBALL, first-class certificate C. S. A. recommended at Chicago.

VIOLESCENT, " " " " " Cincinnati, Philadelphia, New York and Boston.

MODESTO, first class certificate C. S. A. recommended at Chicago, Cincinnati and Philadelphia.

RINALDO, " " " " " Cincinnati and Philadelphia.

YANOMA, " " " " " Chicago and Philadelphia.

Complete descriptions now ready. Free on application.

We shall also offer all other prize winning novelties, as well as the best standard varieties.

ORDERS NOW BOOKED FOR MARCH 1st DELIVERY.

# NATHAN SMITH & SON,

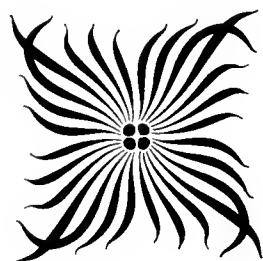
## ADRIAN, MICH.

# FOR CHRISTMAS.

Thousands of Lilies,  
**MILES OF** Asparagus Plumosus

AT

MILLANG'S  
CUT FLOWER EXCHANGE.



Nothing is more indispensable to the florist for all choice work than *Asparagus plumosus nanus*. We can supply the whole country for the Holidays, if required, and the quality is unsurpassed.

OUR POSITION and FACILITIES in the greatest Flower Market on the Continent enables us to supply the trade with whatever the market affords, at prices that cannot be beaten.

---

**SEND ORDERS EARLY.** They will receive prompt and careful attention.

.... PRICES ON APPLICATION.

**FRANK MILLANG,**  
NEW YORK CUT FLOWER EXCHANGE,  
408 East 34th St., Near Long Island Ferry, **NEW YORK.**



Rochester, N. Y.

Retail trade at Thanksgiving day was very satisfactory, though no advance in prices of flowers was noticed. The mild bright weather had a great deal to do with the ready sale of flowers for street wear, and as prices were low everybody could well afford to have a vase of chrysanthemum or other flowers on their dinner table. Since that day 'mums are getting scarce and good flowers bring better prices than at any time this season. Carnations also are short in supply, especially the whites, which were in great demand for a week past, all our stores having large funeral orders daily, much more than usual at this time of the year. Roses have advanced in price, the quality also is improving, but they are coming in less quantity. Violets are plenty, but no overstock is noticed for the last ten days. They sell well and are of very good size. The California is blooming profusely at present, but does not bring the price that the doubles do, though if they should keep on blooming for a few months so abundantly as now, it will surely pay to grow them even at a much lower price. But we cannot pass an opinion on this violet before the season is over; their flowering time may or may not hold out. Roman hyacinths are very good now and are eagerly taken up by the store men as soon as they arrive in town. J. B. K.

Erie, Pa.

A range of twenty well built houses, each 20x100, stocked with the best known to the commercial florist, comprise Mr. Henry Niemeyer's plant. A recent addition, upon which the finishing touches are being put, is a 22x100 violet house.

There are many who believe that Mr. N. was born under a lucky star, it being conceded that whatever he undertakes success is sure to follow. As evidence of his "luck" there is the recent discovery of a flow of natural gas almost within a stone's throw of his greenhouses, a discovery which will save him heavy coal bills as well as a deal of labor.

All his plants are clean, healthy and well grown. It needs scarcely be added that something more than mere luck accounts for this.

Mr. Niemeyer gave a chrysanthemum show at his store, 1108 State street, November 12-15. X.

## FERN SPORES.

H. B. MAY offers the above in about 200 of the best and most useful varieties. All spores carefully saved from own stock, which is the largest in the trade.

Priced List on application.

H. B. MAY, Dyson's Lane Nurseries,  
Edmonton, London, England.

## Palms & Ferns.

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 1/4 & 5-inch \$1.50, 20 for \$8; 6-inch for \$5. All good selected varieties. Special sale: Choice FERNS, \$5.00 and \$6.00.

ROSES AND GERANIUMS, LABELS,  
MOSS, ETC.

WILLIAMS & SONS CO., Batavia, Ill.  
Mention American Florist.

Per 100  
DRACAENA INDIVISA, 3 1/2, ready for 5 & 6. . . \$6.00  
ADIANTUM GRACILLIMUM, 2 1/2-inch . . . 2.50  
HYDRANGEA METALKA and THOS. HOGG, 2 1/2-in. 3.00  
BEGONIA METALLICA, 3 1/2-inch . . . 5.00  
ROOTED CUTTINGS of all general stock . . . 1.00  
HELIOIOTROPE—New Dwarf, 2 1/2-inch pots. . . 5.00  
TUBEROSES—Pearl, 3 to 5 inches, \$4.00 per 1000.

THE OAKS GREENHOUSE CO.,

Wholesale Florists, Jackson, Mich.

## FOUND AT LAST!

The long-sought Pink Ivory. A peerless jewel among  
CHRYSANTHEMUMS.

## MISS AGNES L. DALSKOV,

A sport from Ivory, a better keeper and of somewhat stronger growth, otherwise identical with the parent except in color, which is

### A BEAUTIFUL SHELL PINK

and shaded as delicately as the pink pond lily. This variety has been grown for three years by Mr. M. Hansen, New Durham, N. J., at whose place it originated. The blooms, during the present season, have had a phenomenal sale on the New York market.

Stock plants are now offered at the following prices:

PER HUNDRED.....\$175.00  
PER DOZEN.....22.00  
SINGLE PLANT.....2.00

Cash with order. **JULIUS LANG,** SELLING AGENT,  
53 West 30th Street, NEW YORK CITY.

## EARLIEST LARGE FLOWERING CHRYSANTHEMUMS

### MARQUIS DE MONTMORT,

Much in the way of Vivand-Morel. Ready to cut Sept. 29th, 1895. Stock plants 50 cts. each; \$5.00 per dozen.

### MERRY MONARCH,

Earliest large white, cut on October 9th. Best early white to date. Price, 50 cts. each; \$5.00 per dozen.

NEMESIS, MISS M. M. JOHNSON, J. H. TROY, PARKER, Jr., 50 cents each; \$5.00 per dozen. MARION HENDERSON, MAJOR BONNAFFON, MADAME F. BERGMANN, YELLOW QUEEN, and all the staple varieties, 25 cents each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

DAILLEDOUZE BROTHERS, Flatbush, N. Y.

When writing mention the American Florist.

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### ROOTED CUTTINGS.

Most approved bedding sorts, largely Semi-Double and Single scarlets. Double and Single white, pink, salmon, dark crimson and a variety of other choice colors.

Price in assortment, \$12.00 per 1000 labelled. \$10.00 per 1000, or \$1.50 per 100 not labelled. Herr's Pansies. A strain right up to the top notch of perfection, 75c. per 100; \$5.00 per 1000. Stock grown by Daniel K. Herr.

ALBERT M. HERR,

L. B. 496. LANCASTER, PA.

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All the best new and old varieties.

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EDWIN LONSDALE,

Chestnut Hill, Philadelphia.

## CHRYSANTHEMUMS.

80 New Varieties, including

Miss M. M. Johnson, J. E. Lager, Philadelphia. Minerva, Marie Louise, J. H. Troy, Mrs. Henry Robinson, Sunrise, Miss G. Pitcher, John Shrimpton, Royal Windsor, Mrs. S. T. Murdoch, H. W. Rleman, Miss F. Pullman and Zulinda. Fifteen plants for \$1. Send for catalogue. Address

M. B. LITTLE, Clens Falls, N. Y.

E. G. HILL & CO.,

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## CHRYSANTHEMUMS.

Golden Wedding, yellow, Queen, Niveus, E. Dailldouze, Mrs. Jerome Jones, Major Bonn fion, Ernaida pink, Yellow Queen, Pres. Smith, Challenge, Harry Balsley, Minerva, V. H. Hallock, W. H. Lincoln, Mrs. Whildin, Vivand-Morel, Ivory, white, Geo. W. Childs, Mme. F. Burgmann, Marie Louise, Domination, and others, Tuxedo,

25 cts. each; \$2.50 per doz.

BROWN & CANFIELD, Springfield, Ill.

## STOCK MUMS.

M. FRIEND, WANAMAKER, NIVEUS, V. H. HALLOCK, VIVAND-MOREL, MRS. F. L. AMES, MRS. HICKS ARNOLD, JESSICA, LINCOLN, KIOTO. 10c. each; \$1.00 per dozen.

Strong bench grown clumps. ROOTED CUTTINGS MRS. FISHER CARNATION for summer blooming, \$1.00 per 100; \$8.00 per 1000.

W. B. ARNOLD & CO.

243 Belmont St., BROCKTON, MASS.  
Mention American Florist.

AZALEAS, Sander, Bruges, Belgium.  
PALMS, Sander, Bruges, Belgium.  
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BAYS, Sander, Bruges, Belgium.

Agent: A. DIMMOCK,

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SEND FOR SPECIAL OFFER.

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500,000 Bulbs of our Noted Strain for Sale.

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The Best is Always the Cheapest. Write for Prices.

TOEFFAERT & GEE, GENDBRUGGIES GAND BELGIUM,  
And 36 Catharine St., Liverpool, England.

At Quality, Small Profits, Perfect Packing, Prompt Attention, Low Freight.

# KENNICOTT BROS. CO.

## WHOLESALE CUT FLOWERS,

### AND FLORISTS' SUPPLIES,

88 Wabash Avenue, **CHICAGO.**

In our  
**NEW QUARTERS**  
we are  
**BETTER FIXED**  
than ever to  
**FILL ORDERS**  
promptly and satis-  
factorily.

We have  
**MORE ROOM**  
and  
Better Arrangements.

Send your  
**XMAS ORDERS**  
**EARLY.** We will see  
that they  
**ARE FILLED**  
with the best the mar-  
ket affords, and  
**AT LOWEST PRICES**  
at which good stock  
can be supplied.

### XMAS PRICES.

	P. & D. Cost.	Per 100
Roses—Meteors.....	\$8.00@	\$10.00
" Fancy.....	12.50@	15.00
Brides.....	8.00@	12.00
Mermets, Bridesmaids and		
LaFrance.....	8.00@	13.00
Perles and Gontiers.....	6.00@	8.00
Gontiers, fancy.....	10.00@	12.50
Roses—Our selection.....		6.00
Carnations, long.....	2.00@	3.00
" fancy.....	3.00@	5.00
" long, our selection.....		1.50
Chrysanthemums.....	12.00@	20.00
Callas and Harrisii.....	12.50@	15.00
Mignonette.....	2.00@	3.00
Sweet Alyssum.....		.40
Stevia.....	1.50@	2.00
Valley.....	4.00@	6.00
Violets.....	1.50@	2.00
Marguerites.....	.60@	.75
Roman Hyacinths.....	4.00@	6.00
Narcissus (paper white).....	3.00@	4.00
Smilax.....	15.00@	18.00
Farleyense Ferns, fine.....		12.00
Adiantum Ferns.....	1.00@	1.25
Common Ferns.....	\$2 per 1000	.25
Galax.....	\$2 per 1000	.25

We quote above prices subject to change without notice. All flowers in season at lowest market price.

If there is any change in the market our customers shall have the full benefit of it.

### WIRE WORK A SPECIALTY.

Write for cash discount.

Wire Rings for Xmas Green, Holly, etc.,  
75 cts. per 100.

### FLAT CRESCENT WREATHS.

EACH. DOZEN  
SIZES, 10, 12, 14, 16 inches.....10c. \$1.00  
18, 20, 22, 24 inches.....15c. 1.50

### FLAT STARS.

SIZES, 6 and 8 inches.....35c. per dozen  
10, 12, 14 inches.....75c. per dozen

Look to us for FLORISTS' SUPPLIES and  
CUT FLOWERS of all kinds in season.

*Special attention to the Shipping Trade.*

Our Store is open until 6:30 p. m.  
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A FIRE makes  
**Quick Work,**  
but we are used  
to that.

Quick work is  
**OUR SPECIALTY**

We were burned out  
early Tuesday morn-  
ing, by 7 a. m. same  
morning we were open  
for business in tempo-  
rary quarters, by 10  
a. m. we had leased our  
present handsome  
permanent place of  
business, and now you  
wouldn't know we had  
ever had a fire, except  
for the improved ar-  
rangements and super-  
ior facilities we enjoy.

We take this opportunity to  
extend

### OUR THANKS

to our brother dealers who so  
freely extended assistance to  
us at the time of the fire, and  
particularly to Mr. Geo. Piep-  
gras, for space given us for  
temporary quarters.

The above quotations in this issue of the *AMERICAN FLORIST* will be the  
only Xmas Price List we shall issue.

# KENNICOTT BROS. CO.

88 Wabash Avenue, **CHICAGO.**

Frederick, Md.

At the fifth annual chrysanthemum show of the Frederick County Floricultural Society the decorations were unusually tasteful and were a feature of the exhibition. The number of specimen plants was not as great as last year, but the quality was of the highest. The cut bloom classes were better filled and the quality was also very high.

In the professional classes D. Groff took the bulk of the premiums with some splendid plants and flowers. C. Hermann had the best display of decorative plants, and also received premiums in the classes for cut roses, chrysanthemums and designs.

The exhibits by amateurs who have no greenhouses are usually a leading feature at these exhibitions, but this year, owing to the early and hard frosts, the showing made was not up to previous years, though there were many excellent displays, notably that by the president of the society.

IVORY.

## XMAS

AND

### THE HOLIDAYS

without Kelsey's RICHLY  
COLORED Southern

(Green and Bronze)

### Galax Leaves,

has become what it always  
was minus Holly and Mis-  
tletoe—"A Haythen Chinese

affair." (Xmas is coming, won't wait; do  
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Enclose 700 by mail (paid), \$1 00.  
Cash. 5000 assorted, Frt. or Exp. with 25  
sprays of our beautiful new  
Leucothoe, \$3 75.

SPECIAL LOW EXPRESS RATES.

BETTER STILL, 50 Brilliant Galax and a few  
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Ask of the **Introducer,**  
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### COMPLETE LINE OF SUPPLIES

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ALWAYS  
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HAND  
FINE STOCK  
OF CUT FLOWERS

ELLIS & POLLWORTH  
MILWAUKEE  
WIS.

### SAVE YOUR \$\$\$

by using our

### HANDY SASH LIFTER.

For prices, apply to

GEO. W. HAMILTON,

167 Sydney St., DORCHESTER, MASS.

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina  
Aurea, Lombardy.

### ONE THOUSAND CAR LOTS of OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf.  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Goose-  
berries, Raspberries, Blackberries, Dew-  
berries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR.

1000 ACRES.

29 GREENHOUSES.

## THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

## THE WHITE CANNA CAN NOW BE SEEN

In its full glory, notwithstanding the severe drought, at our Mr. Wintzer's farm at West Grove, Pa. Also the **NEW PURE ROSE, PURE PINK, PURE YELLOW**, and other remarkable Cannas that will be offered by us for the first time this season. The **White Myrosma** also in full bloom now. The **New Golden Cosmos**, The **Crimson Spiraea**, The **BLUE SPIREAS**, Tecoma Smithii, Solanum Rantonnetii, and other Novelties in Plants. Headquarters also for The **Strawberry Raspberry**, The **Raspberry Blackberry**, The **Mayberry**, **Stanley Raspberry**.

**ROSES.** **Crimson Rambler**, \$6.00 to \$15.00 per 100. **Magna Charta**, 2 to 3 feet, \$6.00 per 100. **Tennessee Belle**, 4 to 5 feet, \$6.00 per 100. **Baltimore Belle**, 4 to 5 feet, \$6.00 per 100. **Meteor**, 1 to 2 feet, \$6.00 per 100. **CAROLINE TESTOUT**, finest plants in the country, \$10.00 per 100. Not less than 100 at these prices. **Black Callas**, \$6.00 and \$8.00. **Spotted Callas**, \$3.00 and \$5.00. **Purple Callas**, \$3.00 per 100. **Little Gems**, \$5.00 per 100.

Send for Catalogue of Novelties in Plants. Jardinieres and Flower Pots for the trade.

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## 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.  
Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

## New Extra DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20  
varieties, for only \$2  
by mail.

CASH WITH ORDER.

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## CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery from March 1st. Cultivated Cycas always on hand, rooted and well established, at low prices.

Lil. Auralum, Spec. Rubrum and Album, Etc.  
Iris Kämpferi, in 100 choice varieties.  
Japanese Maples, in best varieties.  
Camellias, Pæonies, Tree Ferns, Rhapis, Etc.  
Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

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One Walker & Pratt Boiler, sixteen section, in good condition. Suitable for either steam or hot water. Price low. Apply to

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Always mention the American Florist when writing to advertisers.

## ROSES

H. P. LOW BUDDED.

LILAC **CHARLES X,**  
**MARIE LAGRAYE,**  
pot-grown, full of buds.

Deutzia gracilis, pot-grown and others.

Clematis, Kalmia, Rhododendron, Tree  
Pæonies.

HEATHS (Erica gracilis), \$35 per 100

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## PALMS.

150,000 of all the leading va-  
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50,000 of leading varieties.

Address **GEORGE WITTBOLD,**

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## Jones, McDuffee & Stratton, Plant Pots and Pedestals

of all grades, sizes and values, direct from the best  
Potteries of England, France, Germany,  
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WHOLESALE AND RETAIL.

120 Franklin St. cor. Federal, Boston, Mass.

PLEASE mention the AMERICAN FLORIST  
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Fail to bear us in mind when in need of

**HOLLY** (Get There brand)  
**WILD SMILAX**  
**MISTLETOE**  
**CAPE FLOWERS**  
**IMMORTELLES**  
**RATTAN**

And in fact everything you need in the way of store and greenhouse supplies. We have no desire, as the boys say, "To throw Bouquets at ourselves," but would mention that the qualities we offer are **THE BEST**, and **OUR PRICES MADE FOR THE TIMES**.

**VAUGHAN'S SEED STORE,**  
New York: CHICAGO:  
26 Barclay St. 84 & 86 Randolph St.  
Mention American Florist.

## Xmas Holly

Our Holly is as good as any on the market; well berried, and in every respect At—as anyone who has bought it will testify. Order early, and be sure of getting it.

### PRICES AS FOLLOWS:

Single Case \$5.00. Half Case \$3.00. Two Case lots \$9.50. Five or more Cases \$4.50 each.

American Mistletoe, well berried, per case. . . \$8.00  
English Mistletoe, large bunch, well berried. . . \$3.00  
We are also prepared to fill orders for Cut Flowers in any quantity, at lowest market rates.

**N. F. MCCARTHY & CO.,**  
84 Hawley Street, BOSTON, MASS.  
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## XMAS.

**VERMONT GREEN**, per bbl. \$2.50. Now ready.

**HOLLY** (Genuine Delaware), green leaves, well berried. Ready Dec. 10th.

**MISTLETOE**, by weight or case. Ready Dec. 15th.

**SHEET MOSS** (for Decorating), per bag \$1.50  
Estimates furnished for larger quantities.

**HERRMANN'S SEED STORE,**  
413 E. 34TH STREET,  
Near Long Island Ferry, NEW YORK.

## BRILLIANT GREEN AND BRONZE GALAX LEAVES.

LARGE AND SMALL SIZES.

I have at last secured a special, greatly reduced Express rate to all points.

SEND YOUR HOLIDAY ORDERS EARLY.

ALL WHOLESALE FLORISTS, or write for price and free sample to

**CHAS. H. RICKSECKER,**  
LINVILLE, Mitchell Co., N. C.

## 15,000 Xmas Trees.

**EVERGREEN WREATHING, HOLLY.**

**EVERGREEN WREATHS, Palmetto Leaves, Crowns, Etc.**

H. BORNHOFF, 616 Fullerton Avenue, CHICAGO.

## HOLLY.

Choicest Delaware stock. Per barrel, \$2.00; per 16 cubic ft. case, \$5.00.

**Holly Wreaths.** Made on rattan, of select Holly; superior workmanship. \$1.75 per dozen. \$12.00 per 100.

**Mistletoe.** Well-berried and carefully packed. Per box, \$2.50; per barrel, \$5.00.

**Palmetto Leaves.** Select leaves, of extra size; long stems. \$1 per dozen; \$7 per 100.

**Needle Pines.** Large bushy trees. 75c each; \$6.00 per dozen.

**Cape Flowers.** White. Extra prime. \$1.25 per pound. First quality. 90c per pound.

**Cape Flowers.** In bright colors, select stock. \$1.25 per lb.

**Immortelles.** Colored. New crop arrived Dec. 10th. Per bunch, 25c; per dozen, \$2.50.

Natural color (yellow), per bunch, 20c; per doz. \$2.25.

**French Moss.** Imported Paris stock. Package 10c; per dozen packages, \$1.00.

**Rattan.** For Wreaths. Per lb. 25c; 5 lbs. \$1.20; 10 lbs. \$2.25.

**W. W. BARNARD & CO.,**

186 East Kinzie Street,

CHICAGO.

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FANCY.



DAGGER.

## EVERGREEN CUT FERNS

ESPECIALLY FOR FLORIST'S USE.

**\$1.25 PER THOUSAND FERNS.**

IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns furnished the year round. Special attention given to supplying the Wholesale Trade.

**BOUQUET GREEN.** For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.  
**SPHAGNUM MOSS** a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.**

## Best Quality Delaware Holly!

Laurel and Pine Festooning, Holly and Laurel Wreaths, Southern Needle Pines, Galax Leaves, English Mistletoe, Rock Ferns, Sabal Palms, Moss and Pine Green. All high grade goods. Ready for shipment after December 17.

Send for Price List. **WELCH BROS., No. 2 Beacon St., BOSTON, MASS.**

## HOT BED SASH.

We carry a large stock of regular size, 3x6 ft. It will pay you to send for our prices

VENTILATING SASH. ALL SIZES TO ORDER.

**FINN, COLE & CO., 8 HOWARD ST., N. Y. CITY.**

## DEATH TO INSECTS

### Rose Leaf

EXTRACT OF TOBACCO.

PRICE REDUCED

**5 Gallons for \$5**

Louisville Spirit Cured Tobacco Co.,  
LOUISVILLE, KY.

When writing mention the AMERICAN FLORIST

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

## Horticultural Manure

contains more plant-food in *one hundred pounds* than is contained in *one ton* of any natural manure.

### Liquid Manure

made from it is cleaner, cheaper and better than from any other source.

In 10, 25, 50 and 100 lb. packages for florists' use. Write for trade prices and pamphlet.

**ROBT. L. MERWIN & CO., 88 Wall St., N. Y.**  
Mention American Florist

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.



## News Notes.

HARTFORD, CONN.—The florist business of Geo. W. Atwood has been bought by Mr. James Young, who will carry it on hereafter.

SPRINGFIELD, MASS.—R. W. Carter, market gardener of West Springfield, has gone into insolvency; liabilities amount to over \$29,000.

MANSFIELD, MASS.—Wm. C. Winter has purchased the interest of his partner, P. M. Winter, and will continue the nursery business at the old stand.

MIDDLEFIELD, MASS.—E. H. Alderman, late of Shepard & Alderman, Oakdale, has gone into business here as a carnation grower. He put up glass this fall.

NEWTON CENTRE, MASS.—Charles Estey & Son, market gardeners, recently built a small greenhouse, heated by hot water, for growing violets, etc., about 700 square feet.

NEWBURYPORT, MASS.—J. J. Comley has rented the old Bailey greenhouse on Milk street, where he will grow carnations chiefly. Trade has been good, chrysanthemums selling well.

SHELBURNE FALLS, MASS.—L. R. Fuller has added one house 23x50 for carnations this season. Lucius S. Fife has added a carnation house 67x16½, planted with Scott and Daybreak.

OAKDALE, MASS.—The firm of Shepard & Alderman is dissolved, and the business formerly carried on by them has been bought by Geo. A. Sault, who will cater to a general retail trade.

LEOMINSTER, MASS.—It is always a pleasure to visit Joseph Fuller's establishment, everything in the houses being at all times in that condition of health and neatness which shows the supervision of the true gardener. Harrisii lilies are now blooming and there will be a large crop for Christmas. The only violet that will grow here in the houses, Lady Campbell, is doing finely. Marie Louise is being given a trial in frames and up to date appears to be all right.

BIRMINGHAM, ALA.—Business shows a decided improvement over last year, and if no change takes place there will be a general evening up next spring. Florist Lindsay has grown some splendid chrysanthemums this season. He has had on exhibition in his windows blooms of Sunderbruch measuring 10½ inches across and without a trace of coarseness; The Queen 8 to 10 inches across and well built up. The purest pink he has seen is Helen Bloodgood, and his L. Boehmer measured 8 to 9 inches across.

## M. RICE & CO., Florists' Supplies,

23 & 25 N. 4th St., PHILADELPHIA, PA.

Send for Catalogue.

Mention American Florist.



## WHITE DOVES FOR FLORISTS.

Largest and finest stock in the United States. Write for prices to

S. J. RUSSELL,

203 Summit Ave., JERSEY CITY, N. J.  
Mention American Florist.



## engaged

a lot of new sort tobacco stems; been for a year shipping them quietly as trial; seem to give better results than regular kind; why they should can't say, as old sort pretty good too; 75 cts. 100 lbs. as usual for them; Call new kind XX, cost little more, \$1 per 100 lbs.; you might like 'em. Let me know where you live, may be I can deliver at your depot. I must talk a little of that \$4.00 a big barrel full; awful strong Tobacco Dust. "IT'S GREAT STUFF."

H. A. Stoothoff, 331 Madison Ave.

New York City.

Mention American Florist.

## BOSTON FLORIST LETTER CO.,

13 Green St., BOSTON, MASS.

Office, 84 Hawley St.

### Manufacture the Best Letters in the Market.

Sizes 1½-inch and 2-inch, \$2.00 per 100. Patent fastener with each letter.

With orders for 500 letters we give away a nicely stained and varnished box. See cut in next week's American Florist.

Our letter is handled by all the wholesalers in Boston. AGENTS: A. Rolker & Sons, New York; M. Rice & Co., 25 N. 4th Street, Philadelphia, Pa.; F. E. McAllister, 22 Dey St., N. Y.; H. Bayersdorfer & Co., Philadelphia, Pa.; A. D. Perry & Co., 33 Warren St., Syracuse, N. Y.; A. C. Kendal, 115 Ontario St., Cleveland, O.; E. H. Hunt, 79 Lake St., Chicago; Wisconsin Flower Exchange, 131 Mason St., Milwaukee, Wis.; H. Sunderbruch, 4th and Walnut Sts., Cincinnati, O.; T. W. Wood & Sons, 6th and Marshall Sts., Richmond, Va.; Jas. Vick's Sons, Rochester, N. Y.; Dan'l B. Long, Buffalo, N. Y.; C. A. Kuehn, St. Louis, Mo.; Huntington Seed Co., Indianapolis, Ind.; W. Ellison, 142 Pine Street, St. Louis, Mo.; Portland Seed Co., 171 2nd Street, Portland, Oregon; A. Herrman, 415 E. 34th St., New York; Geo. A. Sutherland, 67 Bromfield St., Boston; Welch Bros., No. 1A Beacon St., Boston; N. F. McCarthy & Co., 84 Hawley Street, Boston; The Henry Phillips Seed and Implement Co., Toledo, O.; Walter A. Potter & Co., Providence, R. I.; J. J. Kreshover, 112 West 27th St., New York; J. C. Vaughan, 26 Barclay St., New York; J. A. Simmers, Toronto, Ont., Agent for Canada.

## H. BAYERSDORFER & CO., WHOLESALE FLORISTS' SUPPLIES ONLY,

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PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

See cut in next issue.

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PIPE FITTINGS & GENERAL HEATING APPARATUS.

90 Union Street,  
BOSTON.

Telephone Haymarket No. 1076.

## Order Now.



## Metal Floral Designs,

For the Holiday Trade,

At 35 cts., 45 cts., 50 cts., 75 cts., 85 cts., \$1.00, \$1.50 and upwards.

Particulars in our new Fall Trade List for 1895.

We call your attention to our

## New Weatherproof Wreaths

of green foliage and specially prepared flowers quoted and described on page 3 of our list. They cost 60c, 75c, 90c, \$1.00, \$1.25 and \$1.50 each.

Holly Wreaths of the same material, with red berries, all of natural appearance, about 14 inches across; price \$4.80 the dozen.

## Xmas Holly,

The best, well-berried Delaware stock, specially gathered and put up for our trade. Single cases, \$5.00 net; larger quantities, \$4.50 net per case.



## Flower Baskets,

Plain and fancy, in many new and tasteful styles. Composed of the best and latest designs in Celluloid, Raffia and Cane, tinte tape, braid and other finishes. Also Fern dishes, Pot covers, Plant stands, in large variety.

Immortelles, at \$3.00 the dozen.

Cape Flowers, at \$1.00 and at 80c a lb.

For further detail, compare our latest trade list, containing likewise a full line of all

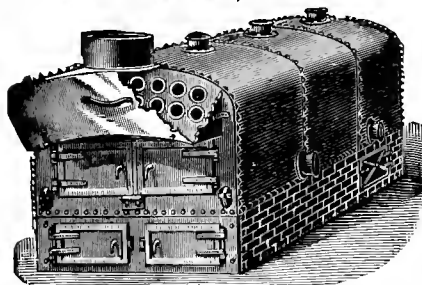
## Florists' Supplies

useful for store and greenhouse work. If you have not received a copy, send for one with your business card. We sell at wholesale only. Address

## August Rölker & Sons

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IMPROVED  
**Greenhouse : Boiler,**  
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Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.  
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Every florist, market gardener, owner of lawn, grass-plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island.  
Only 29 Kingstons in the U.S. Get the state straight.  
"They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Secy Mt. Greenwood Cemetery Asso., Ill.  
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PLACE  
OF  
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MILLS

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AIR  
PUMPING  
ENGINES

**A Windmill**

Is unreliable because it depends upon the element for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

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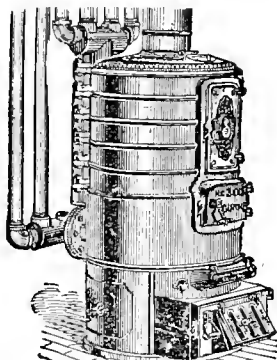
are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

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467 West Broadway,  
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Done with expert ability for Florists,  
Nurserymen, Seedsmen. Write to

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HARRISBURG, PA



"Gurney" Hot Water Heater. Series 300.

**Gurney** Hot Water Heaters  
AND Steam Boilers.  
UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

ALWAYS EQUAL TO THE OCCASION.

Send for Greenhouse Catalogues.

**GURNEY HEATER MAN'FG CO.,**

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Is this man working?

**NO!**

The **ATOMIZER**  
does it all.



Mixes hot and cold water, Liquid Manure, etc. With

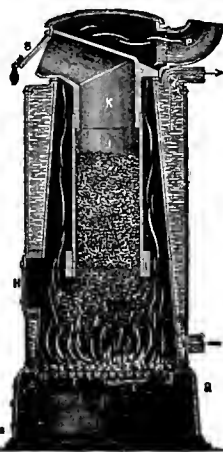
**BULL DOG HOSE**

and this Atomizer, he has the BEST combination possible.

BOTH MADE BY

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THE "TABASCO"  
**WATER HEATER.**

ALL STEEL. SELF-FEEDER.

— FOR —

**GREENHOUSES,  
CONSERVATORIES**

And all places requiring hot water for  
HEATING AND GENERAL USE.

**KEWANEE BOILER COMPANY**

96 Lake Street, CHICAGO.

KEWANEE, ILL.

**GLASS**

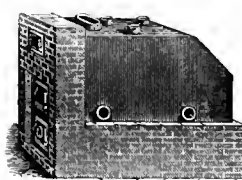
which is absolutely perfect for modern greenhouse construction.

ROCK BOTTOM PRICES.

Send for Estimates. Satisfaction Guaranteed.

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**GREEN-HOUSE  
HEATING.  
MYERS & CO.**

1518 & 1520 S. 9th St.  
PHILADELPHIA.

Send for catalogue and price list.

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**TOBACCO  
DUST.**

Vaughan's Seed Store, Chicago.

Per 10 lbs 50c; 25 lbs \$1.00;  
50 lbs \$1.50; 100 lbs \$2.50.  
Extra fine, per 100 lbs. \$5.  
Sample FREE.

**J. N. STRUCK & BRO.**

Manufacturers of

• **CYPRESS** •

**Greenhouse Material,**

LOUISVILLE, KY.

**New Directory.**

A corrected edition of our Trade  
Directory and Reference Book  
will be issued Jan. 1, next.

**AMERICAN FLORIST CO.**  
P. O. Drawer 164. CHICAGO.

## News Notes.

COLUMBIA, MO.—The greenhouses of Fred Schmittker were badly damaged by fire the night of November 27.

MILES CITY, MONT.—The chrysanthemum show given by Mrs. Miner, the florist, was warmly commended by the local press.

COLMA STATION, CAL.—Paul W. A. Grallert and Chas. F. Fick have dissolved partnership, Mr. Fick retiring. The business will be continued by Mr. Grallert under the old firm name of Grallert & Co.

GREENFIELD, MASS.—The new greenhouse reported on page 444 as being built by E. B. Beals is being erected by F. O. Wells instead of Mr. Beals. Mr. Beals will lease the house when it is completed, but he is not the owner.

LINCOLN, MASS.—Kidder Bros. have built a house 260x50, all under one roof, pitching both ways. It was filled with chrysanthemums. They have also put in a new boiler and built a smoke stack 125 feet high. They will heat by steam and use soft coal and coal dust for fuel.

WALTHAM, MASS.—R. H. Kidder reports business much better than last year. He says that he finds *Nephrolepis davallioides* an excellent plant for fall sales. It is the beautiful drooping variety, and frequently has fronds four feet long, which droop to the floor when set upon a table.

STERLING, ILL.—At the meeting of the Northern Illinois Hort. Society held here this week officers were elected as follows:

President, S. T. Barnard, Manteno; first vice-president, Arthur Bryant, Princeton; second vice-president, C. U. Greeting, Rock Falls; third vice-president, V. R. Cotta, Freeport; secretary, Justin L. Hartwell, Dixon; treasurer, L. Woodward, Marengo. Polo was selected as the place of meeting for next year.

ANDOVER, MASS.—H. M. Gilmore is out of business here, and his place has been torn down. Mrs. C. A. Shattuck has closed her place on Post Office avenue. The firm of Playdon & Allen has been dissolved. The business will be continued by H. G. Playdon. Henry A. Hayward has built one house 50x18, and is growing flowers for Halley of Lawrence. Thanksgiving trade was larger this year than ever before; the call appeared to be chiefly for fine long stemmed carnations.

CANTON, O.—The Ohio State Hort. Society held its annual meeting here last week and elected officers as follows: President, E. H. Cushman of Euclid; vice-president, Professor W. S. Lazenby, Columbus; secretary, W. W. Farnsworth, Waterville; treasurer, U. Ohmer, Dayton. The treasurer's report showed: Amount of moneys received the past year, \$1,777.79; amount of expense the past year, \$1,202.41; balance \$572.38. The next session will be held in Dayton in February.

## FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

J. G. SWANN'S SONS, P. O. Box 78,  
Minneapolis, Minn.

Always mention the American Florist when writing to advertisers.

## NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued January 1, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

## AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

## Standard Flower Pots.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

A FULL LINE OF BULB PANS.

## The Whilldin Pottery Company,

BRANCH WAREHOUSES: 713 to 719 Wharton Street, PHILADELPHIA, PA.

Randolph Ave. and Union St., Jersey City, N. J.

Jackson Ave. and Pearson St., Long Island City, N. Y.

## STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., N. Cambridge, Mass.

## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Doppf & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Doppf and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

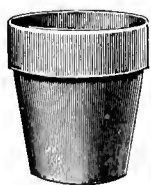
SYRACUSE POTTERY CO. OFFICE:  
403 North Salina Street, SYRACUSE, N. Y.

STANDARD FLOWER POTS.  
FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address

PITTSBURGH CLAY MFG. CO., New Brighton, Pa.



## Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere. . . . .

CAMBRIDGE TILE MFG. CO., Covington, Ky.

Mention American Florist.

## Hot Bed and Ventilating Sashes

On Hand and Made to Order.

ALL SASHES FOR GREENHOUSES.

THEODORE P. JENKINS, 247 Canal Street, NEW YORK.

Mention American Florist.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

**CYPRESS**  
GREENHOUSE MATERIAL  
OF ANY DESCRIPTION  
**JOHN C. MONINGER**  
Co.  
297 TO 307  
HAWTHORNE AV.  
CHICAGO, ILL.

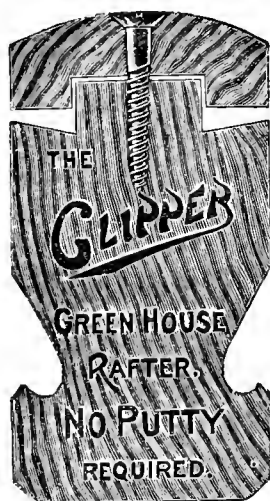
**WILKS HOT WATER HEATER.**  
BEST IN USE  
FOR GREENHOUSES, LARGE and SMALL.  
All Steel. No Coils or Cast Iron Sections.  
SEND FOR CATALOGUES.  
**WILKS MFG. CO.,** 123 S. CLINTON STREET, CHICAGO, ILL.

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**CYPRESS**  
IS MUCH MORE DURABLE THAN PINE.  
**CYPRESS SASH BARS**  
UP TO 32 FEET IN LENGTH OR LONGER.  
**GREENHOUSE**  
AND OTHER BUILDING MATERIAL.  
Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."  
Send for our Special Greenhouse Circular.  
**THE A. T. STEARNS LUMBER CO.,**  
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Mention American Florist.

**John Conley & Son,**  
Manufacturers of  
**TIN FOIL**  
2 AND 4 DOMINICK STREET,  
New York.

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## Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

**LOCKLAND LUMBER CO.**

LOCKLAND, O.

## H. M. HOOKER COMPANY,

57 and 59 W. Randolph Street, CHICAGO.

## NATURAL GAS MADE GLASS, FOR GREENHOUSES.

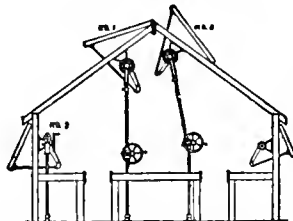
Write for latest prices.~~~~~

### VICTORY! VICTORY! VICTORY!

The only Certificate of Merit awarded for ventilating apparatus at the St. Louis Convention was to the

**POPULAR STANDARD VENTILATING CHINE**

The florist's friend in working and prices.



No repairs for 5 years no chains to break as is the result with others.

Opens Sash uniform on 100 foot houses a new device. Send for Catalogue and estimates.

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## THOS. W. WEATHERED'S SONS, INCORPORATED.

### Horticultural Architects and Hot Water Engineers

Send for Catalogue, enclosing 4 cents in stamps.

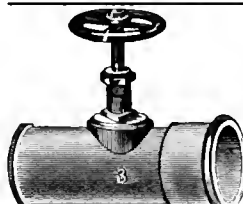
139, 141, 143 Center St., NEW YORK.



## California Red Cedar NEVER DECAYS.

**A. DIETSCH & CO.,** 619 Sheffield Avenue,

Mfr's of Red Cedar and Cypress Greenhouse Material, CHICAGO.



**VALVES, FITTINGS AND VENTILATING APPARATUS.**

**COLDWELL-WILCOX CO.,**  
Newburgh, N. Y.

**MAIL**

LOCK THE DOOR BEFORE THE HORSE IS STOLEN  
DO IT NOW.

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.



**EVANS' IMPROVED Challenge Ventilating Apparatus**

Write for Illustrated Catalogue.  
**QUAKER CITY MACHINE WORKS,**  
Richmond, Ind.

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The following advertisement recently appeared in a German horticultural publication. It is to be hoped that ere this many satisfactory responses have been received by the advertiser.

THE DAUGHTER of a florist, widow, first-class designer, 38 years old, no children, with a fortune of 5,000 marks, wishes to again be happily married to an educated florist not below 36 years of age. Send offers under No. X to the office of this paper.

**HEADQUARTERS FOR Natural Prepared GIGAS LEAVES**

EQUAL TO FRESH CUT

Prices per Pair

70¢ 80¢ 90¢ \$1.00 \$1.20 \$1.50

**AUGUST ROLKER & SONS**

136 WEST 24TH ST. NEW YORK

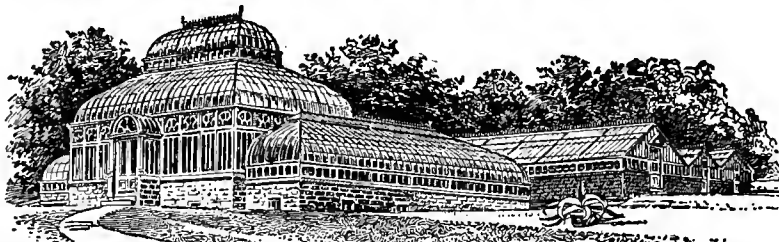
## CHILD'S RAIN MAKER



HAS COME TO STAY.  
SENT ON APPROVAL. PRICE \$1.00.  
**M. M. JONES, Gen'l Agent,**  
6122 Oglesby Avenue, CHICAGO.  
Mention this paper.

## Hitchings &amp; Co.

ESTABLISHED 50 YEARS.

HORTICULTURAL ARCHITECTS AND BUILDERS  
AND LARGEST MANUFACTURERS OF  
GREENHOUSE HEATING AND VENTILATING APPARATUS.

THE HIGHEST AWARDS RECEIVED AT THE WORLD'S FAIR FOR HORTICULTURAL ARCHITECTURE, GREENHOUSE CONSTRUCTION AND HEATING APPARATUS.

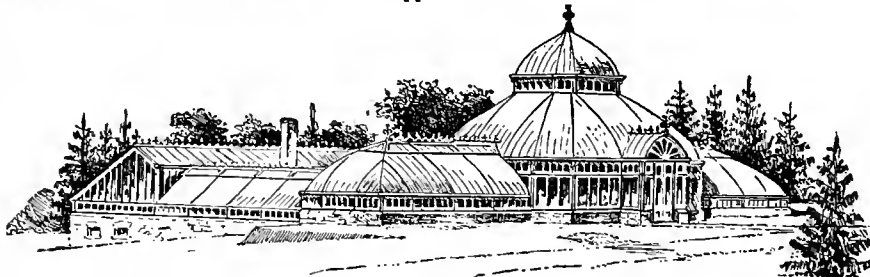
Conservatories, Greenhouses, Palm Houses, etc., erected complete, with our patent Iron Frame Construction. Send four cents postage for illustrated catalogues.

**233 Mercer Street, NEW YORK.**

Mention American Florist.

LORD & BURNHAM CO.,  
Horticultural Architects and Builders,  
STEAM AND HOT WATER ENGINEERS.

Plans and estimates furnished on application.



Largest builders of Greenhouse Structures. Six highest Awards at World's Fair.

SEND FOUR CENTS POSTAGE FOR ILLUSTRATED CATALOGUE.

**LORD & BURNHAM CO.,** Architectural Office, 160 Fifth Ave., New York City.  
COR. TWENTY-FIRST ST.,  
FACTORY: IRVINGTON-ON-HUDSON, N. Y.

Mention American Florist

## GIVES COMPLETE SATISFACTION.

"GENTLEMEN:—The 'SPENCE' HOT WATER HEATER placed in our greenhouse last fall has given us complete satisfaction, and I believe it to be well adapted to this kind of work. . . . Our 'Spence' Heater will carry its full amount of radiation for 8 or 10 hours in very cold weather, with little or no variation of temperature."

*Yours, L. R. Tapp*

Prof. of Horticulture and Landscape Gardening, and Supt. of Horticultural Department, Agricultural College, near Lansing, Mich.

## American Boiler Company

NEW YORK: 94 Center St. "We Heat the World" CHICAGO: 84 Lake St.

SEE WHAT PEOPLE SAY ABOUT . . . . .

or MEAT SAW THE "NEW DEPARTURE"  
Ventilating Appliance.

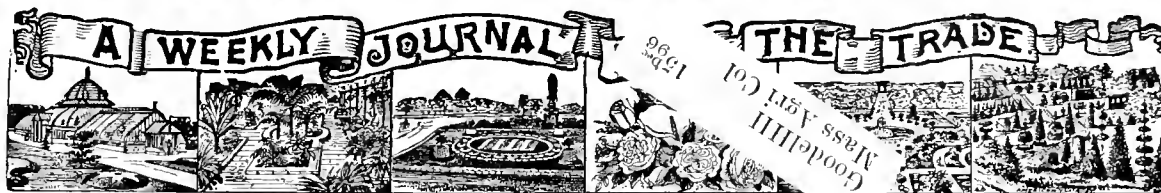
**J. D. CARMODY,**  
EVANSVILLE, IND.

DEAR SIR:—The apparatus is up and works fine. I am well pleased with it. Enclosed find check.  
Yours truly, W. V. DURYEE, Mattituck, N. Y.

Always mention the American Florist when writing to advertisers.

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# THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XI.

CHICAGO AND NEW YORK, DECEMBER 21, 1895.

No. 394

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY  
THE AMERICAN FLORIST COMPANY,  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

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EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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MACOMB, ILL.—Pillsbury & Lengenfelder have dissolved partnership. The business will be continued by I. L. Pillsbury. Mr. Lengenfelder has returned to Chicago.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



### The Carnation.

BY FRED DORNER.

[Read before the Cincinnati Florists' Society December 14.]

It is quite a task to tell you something new on the subject that this occasion calls for; something that has not been told before on a subject that everybody knows, or pretends to know. We can always learn something; my desire is more to be instructed, than the instructor, for my desire to learn is stronger than my ability to impart. One ever so learned finds once in a while a stumbling block; one ever so careful sits down some time between two chairs, and I do not make any exceptions.

Well, to come to business, let us look a little backward and make comparison with the present, and this will lead to reflections on the future. How did we grow carnations eight or ten years ago? Much in the same way as at present; but I believe everybody will admit not with the same care. We find the same difference in handling and marketing. Most of the flowers were picked much like berries, thrown in a box or basket, the only preference shown them was that they were counted and not measured by quarts and pecks. Very few were sold with long stems. These bringing better prices soon changed the aspect of carnation blooms in the market, and they appeared in bunches of twenty-five with about six-inch stem. The improvements in arranging flowers for decorations, bouquets and vases soon required longer stems, and to day a flower is hardly salable with less than a ten-inch stem. Necessarily cultivation had to advance to effect these changes. More new varieties were introduced, more care bestowed on their cultivation, and who will not admit that at the present time we grow far finer flowers than ten years ago?

I remember well when my first new varieties were shown, I overheard remarks as these: "It is not the new varieties alone, Dorner uses a great deal of manure, there is no wonder he has such large flowers;" "He must use some kind of fertilizer, but it would not pay us to put so much work on." Envy and penuriousness are companions, and such people are never capable of comprehending what is to their good.

What is cultivation? What transformed the carnation, roses, chrysanthemums, pansies, geraniums, in fact all

flowers we cultivate now, from their primitive simplicity of ages ago to the magnificent grandeur of the present time? Cultivation was and is the only factor to accomplish these wonders. By studying plant life, by penetrating into Nature's workshops we learn the construction, the constituent parts of plants, the ingredients necessary to their growth, and eventually the ways and means of furthering and enhancing this, by giving the proper component nourishment. We cannot expect to grow strong healthy plants and large fine flowers in a soil that does not contain the ingredients to do that. If we do not supply in proportionate quantities with what they need the returns will be inferior, and if we bring inferior flowers to the market the returns there will be likewise. How short-sighted and penurious the grower is, who to save expenses that tend to improve his product rather holds on to a slipshod cultivation! If for one dollar more in expenses I may have two in return what better can I expect?

The last decade has been a very progressive one for us; improvements all around; improvements by introducing better new varieties as well as their cultivation. It would hardly be entertaining to go into details of the modes of cultivation; these differ much, according to circumstances. Most every grower has a device of his own, suitable to his location. The principles which have to guide us are the same, and I will only touch these.

To commence with, is selection of stock. Self-interest tells us to grow such varieties as we have the best success with, and what the market may call for. If you see something better or something new try it for yourself, and find out if it is suitable for your location and market, but give it an honest and conscientious trial, for you may commit a wrong to the one you procured your stock from by doing it in a superficial way, and be a deception to yourself. Next the selection of stock for propagating. Here I would advise growing plants exclusively for that purpose. My aim is to get selected stock, to prevent deterioration. Make your selection of such plants in the field, pot them up and place in a cold frame, this will force them to a partial rest. About the present time bring them to the house and plant on benches. This comes handy where chrysanthemums are grown, for that place can now be used for your stock plants. Gradually increase temperature. When the buds appear nip them off with as much stem as their laterals may grow. This will throw the whole strength in the part below, where the cuttings are expected to be taken from. By selecting the best plants from the field and by directing the whole strength to the production of the cuttings the results can hardly fail to be satisfactory. At the same time the utmost care should be ex-

exercised, especially in ventilating, so the cuttings may not grow too tender. When rooted keep the young plants in an uninterrupted growing condition until planted out. The importance of strong healthy stock should never be underrated. I do not want to condemn the mode of propagating in practice now; if stock and space is limited one can hardly do otherwise, and with good care and judgment the very best results can be obtained. I only wish to call attention to this: The more we drift away from the habit of expecting too much of a good thing the better our products will be, and we save our stock from deterioration.

We in the west here had quite an experience this year with the field cultivation, and I am told you florists of Cincinnati can tell an extra tale of the dry season we had to go through this year. An energetic man will learn most in time of adversity when his whole intellect is strained to find relief. Many think very seriously of arranging a system of irrigation where chances are favorable, for dry summers seem to become an established fact here in the west. Any superficial watering in the field is labor cast away. Either the work should be done thoroughly or let alone. With foresight much can be done, and the first I will call attention to is late fall plowing, and again plow as early in the spring as the condition of the soil will allow. Never forget the rule not to touch the soil when wet. I will give an experience of mine for illustration. A piece of ground designated to be used for bench soil received a good plowing in the fall; it was also heavily manured. Early last spring it received another plowing and was left alone. In July we plowed again, and to my surprise the ground turned up was moist enough to ball in the hand, while on either side a two-foot digging did not show any moisture. Early planting is another feature—do not get scared when your plants are small; if they are only well rooted and established in pots or boxes the small young plants will outgrow the larger hard rooted and pot-bound. From the time of planting never allow the soil to bake and get hard on the surface. We discarded horse-cultivation and use hand-cultivators. This allows closer planting, and if compelled to water there is less ground to go over. Keep the hand cultivators going, make it the object to keep the surface in a mellow condition, for this is the best help to retain the moisture. The killing of the weeds becomes secondary, as there is no danger many will be left when the first object is kept in view.

A preparation of the soil for the benches is another work that should always receive careful attention. Commence operations the fall previous, and do not be afraid you will make it too rich. If the fertilizers are well decayed and in a state readily to be taken up by the plants the carnation can consume a good deal. Raw food is not liked by the divine flower, neither should the soil be from new land that has not been tilled before.

Regarding the transfer from the field to the house, with good care and judgment this can be done so the check the plants receive will be overcome with little difficulty. The principle to be kept in view is to equalize the evaporation through the leaves with the absorption of the roots in their injured condition. Consequently shade and moist air are the requirements in the houses. Do not keep the soil in a too wet condition, for this has rather the tendency to retard root formation instead of promoting it. Do not leave too many buds, if any, on the plants, for this helps to

retard root formation also. And above all do not forget that the transfer from the field to the house has converted the plants into greenhouse plants, and from there on they must be treated as such. Location, watering, ventilating, nourishment, support, fumigating, preventives of fungus growths, all if wisely judged and judiciously applied will be rewarded in a goodly return of a superior production. To go into details on these topics would lead me too far, and may become a severe test of your patience. So I will try to answer any questions asked to the best of my ability.

I will give my opinion on a few varieties I am most familiar with and which have originated with me. It may seem selfish only to have something to say on these. I shrink from giving an opinion not formed under my own observation, as we have very few varieties grown at our place not having their birthplace there. I feel free to give my opinion on the following varieties, as they are all disseminated, and any information as to their behavior with us may be of some interest and benefit to others.

WILLIAM SCOTT. This variety is an example of how one can err in judging a new variety, and how its merits will bring it to the top. I considered this variety the poorest of the lot, and hardly worth dissemination on account of the unsymmetrical flower, although the color was good. And now where is Scott, and where are the others (nine in number) disseminated at the same time? Only Albertini is of importance, of which I will speak later; of all the other eight I hear

very little; they have vanished from our place too. William Scott reached the climax of popularity by its early and continual free blooming, its adaption to every locality, good keeping quality and freedom from disease. These qualities make it profitable to grow this variety everywhere, and where is it not grown? I cannot refrain from asking, will it retain its popularity? Will these qualities that make it so precious to the grower be strong enough to stand against a possible reaction caused by overstocking the market, bringing it down to the level of the common, and as a consequence prices may drop from the highest to the lowest. Will not people get tired of being supplied with Scott all the time when they want a pink carnation? We do not deal with a necessity, we deal with a luxury; when the charm and newness is worn off, scarcity changed to plenty, it may become tiresome and thrown aside, if only for the sake of a change. I wish to point out the danger of growing one variety exclusively to the avoidance of all others of the same class. The charm of diversity, something new, is worth considering. Of cultural notes I do not need to add any, for this variety is grown everywhere to perfection. In our home market Scott is always a welcome help out, the first choice in pink is

MME. DIAZ ALBERTINI, and to my taste a good deal ahead of Scott in beauty, build and fragrance, but much behind in free blooming. I never could understand the complaint about its late blooming; I do now. Every year we have been able to take in large plants from the field, and



FIRST PRIZE MANTEL AT THE GRAND RAPIDS SHOW.





GLIMPSES OF THE SHOW AT GRAND RAPIDS, MICH.

our November and December cuttings are very satisfactory. This year this is changed; plants were small, and in consequence late. I could not find twenty-five blooms for this exhibition from over a thousand plants, while last year I could have cut at this time two and three hundred. These are the results of unfavorable summer cultivation. With early planting in the field and a favorable summer so that large plants can be housed, it is one of the best grown at our place, and profitable too, for they never bring less than seventy-five cents per dozen, in our home market.

UNCLE JOHN is much praised, and much condemned. To my knowledge failures in this variety are mostly to be attributed to wrong treatment. Characteristic of it is a strong quick growth; this will account for it being somewhat soft and therefore more susceptible to disease, as rust and bacteria. For early, continual and free blooming it has no superior. Stems stiff, flowers large and of the purest white, and an excellent keeper; calyx weak, but this is overcome by the surprising quickness with which the petals push out of the calyx, expand and finish their growth. If not for this a good number of the flowers would burst. Conclusions relative to treatment are: Growth strong and fast, hence give it plenty of room, nourishment and all requirements for an uninterrupted growth, a check will prove more disastrous to this variety than any other. Growth being fast it is soft and dense, so do not

water over the foliage, for this will tend to make it more soft; the density of the same will prevent its drying out. Do not keep too high a temperature, give it all the fresh air possible, support it in a way so the plants are kept from off the soil, and air can circulate from underneath. Avoid all bunching, give it all the freedom of growth; if these rules are observed and there is no rust on the place (for it is more susceptible to rust than any other variety) a bountiful crop of flowers can be cut from the first of November to the last of August.

THE STUART was received favorably on account of the strong stem and bright scarlet color, but this soon was overshadowed by the flowers coming at times streaked with white, and the slowness of their development making it in many localities unprofitable. The form of the flower is not very desirable, but this was overbalanced by the strong stem and color, commented on so favorably at the time of the dissemination, and mostly on these merits it received the Chester county gold medal. This variety is indispensable for our home market, and we are not troubled with any discolored flowers. I cannot give any reason why it comes discolored at other places.

GOLDFINCH.—When we sent out this variety we positively stated that we do not consider it as good as Buttercup, but asserted that being a good grower and free bloomer it might be profitably grown where Buttercup is a failure. Since its introduction this variety has gained

steadily in popularity, and is in many localities considered the best yellow grown.

E. A. WOOD.—This is a very strong grower with long strong stems and large flowers. The form of the flower is to my taste the model of a carnation bloom. The color, light pink striped with a darker shade, is against it, and it is to some extent a cropper.

The three varieties Bridesmaid, Meteor and Storm King sent out last spring are not sufficiently known yet by this time to warrant an opinion. My ideas are formed on the principal that a new variety has to find its way on the strength of its own merits, and therefore I will only give a brief description, indicating their treatment.

BRIDESMAID is a strong robust grower and a decided cropper. This is somewhat offset by the fact that with proper care a heavy crop may be had for the holidays. Stems and calyx strong. Color, size and form much better than Scott.

METEOR, another strong grower, but more of the habit of Scott. Early continuous bloomer, good long stems, good calyx, flower of a brilliant dark scarlet, shaded with maroon. To call this variety crimson is to my idea wrong; however, it is classed as such. The first flowers seem to labor under the influence of the transfer from field to house, as many other varieties do, and are imperfect, but will gain steadily, and from the first of December on keep their normal size and form. Flowers are large, but not so full as



many others. This variety needs good support, as in time they reach a height of three feet.

STORM KING is a beautiful flower, but a poor grower, as far as field growing is concerned; when transferred to the house this is quite changed, and good results can be obtained. The flowers are large, borne on long stiff stems, of a pure white, and good form. This variety will stand close planting, and the crop can be increased, considering the space they occupy. It is also a continual bloomer.

In conclusion I will ask you to cast one more backward glance, and note the progress, the achievements made in the last decade. Practical work, hard experience, has been our teacher, the love for the beautiful the guiding spirit. How often were we confronted with knotty problems, which we only could solve by experiments and trials. How more expedient and easier would it be for us if we had better knowledge of physiology, botany and chemistry. These are problems of the future to increase our knowledge, having a theoretical assistance to our practical work, to make it easier for us to delve into Nature's workings, draw the veil of mystery away, and learn from the great teacher Nature how to improve our divine flower.

#### How to Grow Carnations Profitably.

BY F. W. UDE, JR.

[Abstract of a paper read before the St. Louis Florists' Club, December 12.]

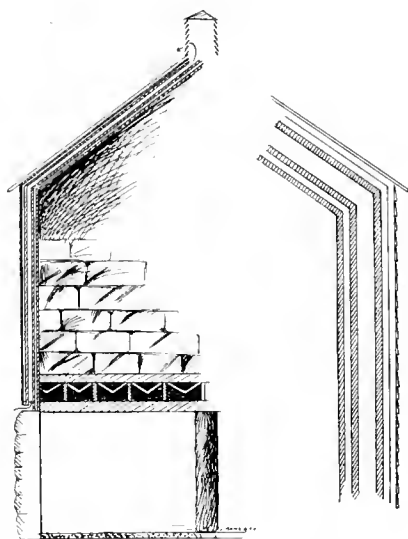
To grow carnations profitably in these days of competition we must grow them well; a great point in our favor to do this is to strike good cuttings. I am quite satisfied that collar rot has its origin in the propagating bench. The only plants that suffer from this disease are those that have been affected by the cutting bench fungus, or cuttings taken from such plants already so affected. To prevent this I find the way to have a bench with a northern exposure, partly boxing it in so as to have a little extra bottom heat and at the same time to keep the heat from getting to the cuttings and wilting them. A curtain is then tacked to sash bars and allowed to drop to face board of bench. This shuts them off from the rest of the house and does away with all other shading. Four inches of sand (I prefer it very fine) is then put on bench and thoroughly soaked, then the cuttings are put in and thoroughly soaked once more. This is all the watering they get until taken out, which is about three and one-half weeks after they are put in; they are then pricked off in flats not over 2 inches deep, putting them about one inch apart each way. In these they stand about six weeks, after which they are transplanted to other flats of same depth giving them more room between plants; in these flats they remain until planted out in open ground, which is done as soon as danger from severe frost is over and the soil works well.

The plants should not be planted closer than one foot apart each way, and kept thoroughly worked, never allowing weeds to grow; nor should they ever be allowed to set buds any time during the summer. It is a good thing to give a spraying of Bordeaux mixture every five or six weeks to prevent rust, etc., with this treatment they should make fine plants by the middle of August, and should then be housed. The soil in the carnations house should be changed every year, whether it is on benches or in beds. I prefer the raised bed system, not that I condemn benches, but for the reason that I can grow better flowers with less expense than I could on

benches. To grow good flowers on benches it requires a great deal of well rotted manure and that alone (as I am situated) would keep me from the bench system.

My beds are one foot deep with earth for a bottom; on this I put a layer of straw. The soil I use is right from the field, which has been allowed to grow up in grass for at least one year. The grass is cut off with a sharp hoe, and the soil taken about 5 or 6 inches deep, pulverized and wheeled into the house. If I can get well rotted cow manure I put in a sprinkling; otherwise it gets none. The beds are filled to a level and are then ready for the plants.

In taking up the plants I prefer them with a small lump of earth adhering to them, for my experience is that the plants start quicker and do not get so many yel-



SECTION OF STORAGE HOUSE. ENLARGED SECTION OF WALL AT RIGHT.

low leaves at the bottom. I plant one foot apart each way if large or 10 inches by one foot if small, as soon as planted they are thoroughly watered, but not shaded unless the weather is unusually hot and dry the first three days after planting. When all are housed they are looked over every day, watering when the soil shows signs of getting dry, syringing the walks and walls three or four times a day in bright weather, keeping the temperature if possible down to 70° on bright days and 60° in cloudy weather with 10° lower at night.

After the plants have taken a good hold in their new quarters syringing is stopped altogether, until the warm days of spring or insects make it again a necessity. They are now cultivated every other week, being careful not to go too deep. I do not stake my carnations as it interferes with cultivating and cutting of flowers and as yet I have found no trouble arising from not doing it. I get good long, straight stems and good blooms all through the season without staking.

As the plants now begin to grow and throw up shoots, they are disbudded and fed with liquid manure. I use droppings from the hen house exclusively, taking two quarts of droppings to a barrel of water. The droppings are put in the barrel in the evening and a bucket of water thrown over them, to soak overnight. Next day the barrel is filled, stirred well and put on the beds, this is done once every week.

#### Preparing Flowers for Market.

A grower may produce extra quality stock and still receive meager cash returns through failure to bestow on the marketing the same care given the details of growing. The production of fine flowers is of great importance, but unless the high quality is delivered to the consumer the efforts of the grower have been largely wasted. It is a well known fact to wholesalers that often flowers of only moderate quality on the plants, but which have been properly graded and otherwise intelligently prepared for market, bring better prices than stock that was originally of high quality but which has seriously deteriorated through lack of intelligent care after being cut.

In a large commercial cut flower growing establishment a good grower is very important, but not more important than a good manager who studies his market and spares no effort to meet its demands. And the demand of any market is for flowers of fine quality *delivered* and not stock that *was* extra good once, but which reaches the dealer in a tangled mass of bruised and broken buds of all shapes and sizes. This picture may seem overdrawn, but there is not a wholesale house in the country that does not have more or less frequent shipments that arrive in the condition noted. That intelligent care of stock after cutting pays well is sufficiently proven by the fact that all the best growers devote much care and expense to it.

As an example of the importance attached to such details by one of the leading firms of growers for the Chicago market, Messrs. Bassett & Washburn of Hinsdale, we present herewith views in their new packing room and storage cellar recently erected at a cost of some \$1,200.

The upper view shows the packing room which is built around two sides of the central storage house. When the flowers are cut they are brought here and at once sorted into the various qualities. They are then put in jars of fresh water and placed in the cooling room, a view of which is given beneath that of the packing room. Here they remain until well stiffened before being shipped to market.

Messrs. Bassett & Washburn have given us the following facts regarding their plan of sorting:

"Beauties are sorted into six to eight lengths according to the season. The extra long are 30 inches and upwards. The next size, 24 to 30 inches, we call our first length. The seconds have stems 18 to 24 inches long, the thirds 15 to 18 inches, the fourths 12 to 15, the fifths 10 to 12, the sixths 6 to 8. None but good flowers are admitted to any of the classes.

"In Brides, Bridesmaids and Perles the first size stems are 10 inches and upward, the majority exceeding 12 inches, and flowers all first-class. We have second and third grades consisting of shorter stems, flowers with weak necks, etc. In Meteors to admit to first grade stems 8 inches and upward are sufficient, provided the flower is first-class.

"We attach much value to the grading of the flowers at the greenhouse and packing so as not only to avoid damage in transit but to do away as much as possible with the necessity for rehandling of the flowers."

The small engraving shows a section of the cooling room and the ice chamber above it. This part of the building is 16x24 feet. At the left appears an enlarged section of the wall (which is 14 inches thick) to show the air spaces pro-



PACKING AND STORING CUT FLOWERS.

vided. These are to insure a circulation of air that will prevent rotting of the wood, and make the wall more impervious to summer heat. There is also ventilation of the cold storage room through a shaft that connects with the ventilator at top. The ice chamber itself is not ventilated. The storage room has a concrete floor 8 inches thick and in the corners are drains to carry away any surplus water. This room is 6 feet high in the clear and has two windows with three sashes in each to furnish light.

The floor of the ice chamber rests on heavy timbers and is of 3x12 joists set 14 inches apart upon which are placed V shaped sheets of galvanized iron soldered together on the top of each joist. These carry the drip to one end where there is connection with the drain. On top of this are placed 2x4s and on these rest the ice. The walls of the ice chamber are 16 feet high and the chamber will hold 150 tons of ice. Last January 125 tons of ice

were put in and it is now only about half gone, so an additional 60 or 70 tons will probably carry it another year. The ventilating flues can be shut off at will.

#### Begonias Losing their Leaves.

"When cold weather sets in in the fall my plants are troubled with losing their leaves, especially begonias. What can be the cause?" This question comes signed "C." If the temperature was allowed to drop to 40° inside many plants would drop their leaves, especially if it were to continue several nights, and others, such as geraniums, primroses, cinerarias, etc., would not be injured in the least. It is a pretty safe rule to apply that when the temperature is lowered the water given to the plant must be diminished. The begonia is a large and varied genus and greatly hybridized. Some of the species are truly tropical, other species are from a more temperate zone, and although

many of them are most accommodating about temperature all our cultivated species can be called tropical or sub-tropical. As "C." does not say what sort of begonias he alludes to I can only give a guess that too low a temperature is the cause of the trouble, helped perhaps by too much water at the root. W. S.

#### A Bride's Table.

I furnished floral decorations for a banquet table at a recent swell wedding that were rather out of common, and well worth describing for novelty and unique effect. At a flower show this decorated table which I shall attempt to call your attention to would have been considered a drawing card, and a special feature of interest to the ladies.

The table itself was in the shape of a heart some sixteen feet in length, and of proportionate width; the floral embellishment was also heart shaped. The idea was original with the hostess—"Two hearts that beat as one"—but for all that the sentiment was much in favor of the flowers, as they overbalanced the menu in general interest, even if the viands were the choicest to be had, and supplied and served by a famous caterer. Wire cloth constituted the frame work of the floral heart, and included a stretch of some twelve feet. This was covered over with natural green moss and sewed down to hold in place. The outline was festooned with the ball shaped Chinese chrysanthemum, Belle Poitevine, woven loosely together, and relieved with adiantum. In the center was a large bowl of the graceful Japanese anemone James Weston, pure white ray petals with large raised lemon yellow disc. This variety was illustrated in the AMERICAN FLORIST, January 12, 1895. On either side of the central arrangement was a plateau of Ivory 'mums, out of 3-inch pots bedded in moss, nice little plants not over six or eight inches high with one good sized bloom.

The large diameter of the heart was not filled in solid or it would have looked too bulky, but cut glass bowls and slender vases were placed here and there, each one containing a different variety, some with lily of the valley, orchid, eucharis, Otahite orange, marguerites, carnations, roses, etc. Occasionally a single specimen of American Beauty rose or extra fine 'mum lent variety or alternating with plateaus of ferns, some smaller, some larger. A good feature, and to be commended, was that every foot of the table arrangement was different and challenged fresh admiration. Over the green moss background was strewn adiantum and pansies of a very high grade, "Parisian Giants," so-called, and certainly this strain produces mammoth flowers, grown under same condition as violets. From the shape of table, it was thought advisable to have the cloth laid in folds about the edge, and caught in loops with *Lygodium scandens*, a useful climbing fern for certain work, the effect was considered good in this case. The table was lighted with tiny jeweled fairy lamps of striking design. Over the center of the table was an immense chandelier garlanded with asparagus and pendent big white chrysanthemums like huge snowballs, forming a canopy, studded with tiny electric lights placed for the occasion. Great bunches of specimen chrysanthemums and flower baskets graced mantels and buffet. This banquet table faced the open conservatory brilliantly and lighted specially decorated and reflecting the gay scene in its huge mirrors. The other rooms and several tables besides, contained a profusion of

flowers in honor of the Hall—Reynolds nuptials. As it was a church wedding the flowers, greens and electric lights furnished a notable display, certainly much more elaborate than was ever attempted before in Elmira. Messrs. Hoffman, Grove P. Rawson, and Electric Light Co. furnished the same. R.



Rose Notes.

The season has now arrived when we can dispose of every salable flower, and to guard against any possible loss in this direction it is necessary to give strict attention to the cutting and handling of the roses every day. Flowers of only fair quality can be made to sell readily if they are cut just right, handled carefully, properly stored and brought into market in a bright fresh condition, while the largest and what should be the finest roses may be rendered almost unsalable by being carelessly cut, roughly handled and miserably packed. A great many flowers are spoiled on the plants by the moisture causing the outer petals to decay; these if not picked off promptly multiply and in two days perhaps the flower is lost. Some men seem to think this is a trifling thing, hardly worth mentioning, but it doesn't require many spoiled flowers in the winter season to make up the difference in wages between a good conscientious man and one who lacks these qualifications. The careless man allows those not strong enough in the stem to stand up to fall over, get spattered with dirt or hidden in the foliage, and in going his rounds these escape his observation until they are wide open and unfit for sale; it is surprising how much loss results from the above causes.

People ask me sometimes how often we cut our roses each day, and the answer generally is, as often as there are roses ready to be cut; as far as I know this is about the only rule that can be laid down. In cutting roses, to determine just how far we shall allow them to open, several things must be taken into consideration, such as the length of time that must elapse before they are in the hands of final purchaser, the distance we have to ship them and the kind of weather prevailing at the time, not forgetting the difference in the varieties; but whatever the variety, whether Bon Silene or Bride, no matter what is the season, whether December or June, or how far they have to travel, a handful of roses when cut may and should be all open alike, not the large heavy buds two-thirds developed and the weaker ones just ready to burst; it is very hard to get some men otherwise bright and experienced to understand just when a rose is ready to cut. Where the flowers have to be graded perhaps the best time to do it is before placing them in water, if, however, they are sold ungraded I prefer to cut until I have 25 or 50, whichever number it is desirable to put in a vase, always keeping the shortest stemmed flowers to the outside of the bunch, and lay carefully in a tray, and repeat until the house is cut, or the tray full, then simply take up the bunches and put in water and set away. All unnecessary handling should be carefully avoided.

A good roomy ice-box where the temperature can be kept at 40° or a trifle above is the only place to keep roses when the weather is at all warm, but in winter nothing is better or more convenient than a good clean, airy, wholesome cellar. I find that on most progressive florists' places the flower cellar soon becomes too small, and has to be enlarged, and as nothing costs less to maintain when once built or helps to show off the products of our houses to better advantage or gives more pleasure and satisfaction generally than a good, large, lofty, well arranged flower cellar, I would advise all who are contemplating building one to make the same high enough, or rather deepen enough, and large enough to accommodate all flowers at Easter or any other time easily, without any crowding, when your place shall be double the size it is at present. The shelves should be all planned and painted and raised sufficiently high one above the other to admit vases with long stemmed flowers. A clean cement floor that can be washed off regularly, with provision for a clear current of air through are necessary adjuncts to a well appointed flower cellar.

Plants that were benched early in June will probably have filled the soil with roots and may show signs of needing to be fed; if so I prefer to supply food at this season of the year in liquid form, rather than to lay animal manure on the benches as a top dressing. This latter plan may be all right if the manure is very old and fine, but if at all fresh it is liable to keep the air from the roots and prevent frequent drying off, which I have found very desirable in the winter months. Hard firing makes necessary hard syringing in order to keep down red spider, and if the soil is to be kept in a nice growing state the drainage and evaporation must not be interfered with. Very strong doses of liquid manure should never be given, weak and often is much better. My plan has been, after commencing its use, to have one day each week manure water day and aim always to have the soil in the benches in the proper condition that day to receive it, not very dry, but rather on the dry side, and I always see when the plants are fed regularly and well a decided improvement in their appearance and in the quality of the flowers. The Mermet family especially are quick to respond to liberal feeding, the stems are lengthened and strengthened and the gain in vigor is often very marked.

It is not advisable to use the same material in making liquid over and over again, because none of the manures we have at hand supply all of the elements of plant food, so if we pin our faith to sheep manure and use that only we have a one sided fertilizer, the same with cow manure or anything else. It is a better plan to change around as much as possible, and by so doing our plants may obtain from one what they have failed to get from any of the rest. Small concerns may get along with barrels and watering pots, but it is a tedious, dirty, offensive and expensive way. The first cost of a tank and pump may be quite an item, but will soon pay in labor saved, and your employees will thank you all their lives for eliminating from their work a laborious and distasteful job.

Hybrids that have been started three or four weeks and have broken nicely should have the temperature increased two or three degrees, it is necessary to prevent any standing still, some varieties are liable to do this if the conditions are not all favorable for steady growth, and if they become stunted at this stage the

chances are they will never amount to much this season. ROBT. SIMPSON.

#### A Rose Garden at Woods Holl, Mass.

Our illustration gives a view in the rose garden of Hon. J. S. Fay at Woods Holl, Mass., as it appeared last June. Mr. Fay's roses and their grower, Mr. M. H. Walsh, have become famous through the exhibitions of the Mass. Horticultural Society, where for several years they have distanced all competitors in the classes for which they have been entered. Rose fanciers who have visited this beautiful place during the rose season have been filled with astonishment at the wonderful luxuriance of growth and perfection of bloom displayed and found here, an unequalled opportunity for seeing all the leading varieties at their best, and thus judging of their comparative value. The climate is very mild and many varieties stand the winter here without injury which in the vicinity of New York and localities even further south would require considerable protection. The conditions are very similar to those prevailing in parts of England where outdoor roses are grown to a perfection unknown in this country outside of the favored section about Woods Holl. Not all of it is in the soil and climate, however. Mr. Walsh himself is a potent factor. He is a careful, studious and discriminating cultivator and loves the rose as one must in order to achieve great success. As a hybridizer also his skill has been proven and from his efforts have resulted the finest hybrid remontants ever originated in America.

#### White Rambler Rose.

I observed in a recent issue of the AMERICAN FLORIST that someone has produced a white Rambler, said to be a sport from White Pet. I would like to ask if it is an autumn blooming rose; if not I have my doubts of it being any other than the old sempervirens "Felicite Perpetuee," for the blooms of this rose appear identical with those of White Pet.

WALTER EASLEA.

Waltham Cross, London.



#### Judging Chrysanthemums.

Now that the flower shows are over and the smoke blown away, perhaps a little discussion of the merits and demerits of the 'Mum Society's scales for judging will be timely.

The writer may be wrong in his premises, but he has the fact that the chrysanthemum is a *flowering plant*, pure and simple, firmly wedged in his cranium. The plant has no value aside from its flowers, and no one would look twice at one without flowers except with an eye to cuttings. How much can the retailer get for a chrysanthemum plant with the flowers missing, no matter how fine the foliage nor how perfect the form? Of how much interest to the public would an exhibit of 'mum plants having no flowers





A ROSE GARDEN AT WOOD'S HOLL, BOSTON, MASS.

be? And yet, under the scales in question, it would be possible for such an exhibit (if the judges stuck to their points) to win over another lot of plants with good flowers but poor in form and foliage.

They tell us that in a single stem plant in a pot, size is the only quality of the flower worthy of notice and that color and form and fullness and petalage shall not be considered: but as soon as the whole plant is cut off down to the ground and put in a jar of water, color and form and fullness and petalage shall count 75 per cent and size only 15. Again, in exhibits of more than six bush plants or when the class forms the chief feature of the show, only 20 points are allowed on the flower and these all for size. In this class also 30 points are named for general effect and 25 for equality of size and form. Isn't the whole object of such an exhibit *general effect*, and can not a better general effect be had in a large collection with plants of varying sizes and forms?

Lastly, we come to the cut flower. Isn't the color of a flower always and everywhere, save when a few chrysanthemum cranks (I plead guilty to being "one of 'em") get together, the matter of prime importance and every other quality of secondary interest? To be sure, many of the catalogue men are in the habit of putting the whole description in, first, and the color last, but do we not disregard all else and look for the color, always the color? If the color is what we want, then the subordinate qualities are looked into, otherwise we go on down the list and never think of the form of the one with the bad color. Could we not advantageously cut a few points from the 25 allowed for form and add them to the beggarly 10 allowed for stem and foliage.

W. N. RUDD?

#### Hydrangea Losing Leaves.

From Port Huron comes the following: "Would you kindly tell me what is the

matter with my hydrangea; the leaves come out in buds and drop off before they are entirely out?" Without knowing the conditions under which this poor plant is suffering it is difficult to say what is the matter. If our friend took the hydrangea from outside and put it into a warm house after it had made its summer growth it was wrong. It should have been resting in a very cool house for the past two months and another month to come. I suspect that's what's the matter; don't do it again.

W. S.

#### Violet Plants Decaying.

The leaves of my violets gradually wilt down until the whole plant is wilted. In from one to two weeks the plant dies. The house is kept at 40° to 45° at night and 60° to 70° in the day time. The plants are watered as needed and very little syringing is done. What is the trouble and how can it be remedied?

R. K.

The cause of the decay is either an insect or a fungus, could not say which without inspecting an affected plant. At all events when R. K. sees a plant going in the way he describes he should pull it up and throw it in the fire. His day temperature is too high by at least 10°.

Rhinebeck, N. Y. GEO. SALTFOORD.

#### Violet Blooms Damping Off.

How can I prevent violet blooms from occasionally damping off or growing mouldy and still keep the ground as moist as the plants require? Would sawdust placed beneath the plant detract from the odor of the flowers or would shavings be better? Ought one to ventilate on cloudy days?

My plants are full of buds which mature, but too slowly to give the yield they should. They grow rapidly and the blooms are for the most part of good quality. Lately I tried increasing the

temperature in the day time to 60° but the blossoms do not seem so large in this temperature. Should not the plants always have ventilation, even in cold weather, if one can turn on heat enough (as I can) to keep the house at any desired temperature? My plants are mostly Lady Campbell. At present I have begun to water carefully with liquid dressing.

A. G. W.

The best method to prevent damping off bloom is a very thin coating of pine shavings (sawdust is too close). It will not affect the odor of the flowers, but it is an open question whether it detracts from the color or not. If he loses many blooms, apply the shavings. Do not raise the temperature, it is dangerous. Ventilate by all means at every opportunity, but remember that a violet is very impatient of artificial heat.

GEORGE SALTFOORD.

Rhinebeck, N. Y.

#### Sowing Begonia and Geraniums.

"B. F." enquires: "When is the best time to sow geranium seed of the bronze and gold varieties for the sale of plants? And when is the best time to sow tuberous begonia and Rex for same purpose?"

Perhaps "B. F." is not aware that geranium seed is seldom "hardly ever" sown to raise commercial plants. You may raise a thousand plants from the most select parentage and but few will be worthy of keeping. You may get a very few, one in a hundred, that will be like their immediate ancestry, but the great majority will be this, that and everything. If B. F. wants to go into the fascinating business of raising new varieties, sow the seed at once. The geranium is a very easy plant to raise from seed.

The tuberous rooted begonia is quite another thing and pays well to raise yourself. Sow the seed now as soon as you can get at it. It is a very small seed and liable if sown thick to damp off before you can handle it if it comes up



thickly. Plants from seed sown now will if well handled be as useful for bedding purposes as bulbs started in March. Leave the raising of Begonia Rex from seed to the Professor of some botanic garden.  
W. SCOTT.

#### Notes from England.

The annual chrysanthemum show of the National Chrysanthemum Society has become one of the most important horticultural gatherings of the year and we meet more of the gardening fraternity in London on this occasion than any other during the year.

Our market has been well supplied with chrysanthemums, and although really good blooms sell at fairly good prices, it is very difficult to clear out of ordinary stuff even at a bad price.

One or two growers have been bringing in some exceptionally fine pot plants which have sold at good prices.

Heaths, especially *hyemalis* and *gracilis*, are unusually well flowered this season. I suppose this is owing to the favorable weather we have had. Bouvardias have also been greatly benefitted by the bright sunshine, and will flower much later than is usual with us.

Winter flowering carnations promise well. We shall require something very good to supersede Miss Joliffe, or rather the improved variety of this old favorite. We have nothing else carrying so many buds at the present time; the color too seems never likely to go out of fashion. The scarlet variety Winter Cheer comes next in regard to productiveness. We should be glad to get a white and a yellow equally free. Mr. May's Primrose Day seems likely to take first place among yellows. We have been having some splendid blooms.  
A. HEMSLEY.

#### Poisonous Flowers.

Have any of the trade ever heard of a case of poisoning resulting from inhaling the perfume of flowers? I have a case at hand; a lady recently employed as clerk in a flower store. She had only been in the place about ten days when she was attacked with violent cramps, lasting several hours, and followed by tenderness of the epigastric region, lasting for several days. In another week or so she had another attack, similar, only more severe and pronounced. The physician consulted, after learning of her habits, unhesitatingly pronounced it a sort of poisoning from inhaling the odors of the flowers, which he claimed caused it. I could hardly believe it, as I have been brought up in the business without ever having heard or read of such a case before, but I have myself during the last two years suffered in a similar manner; and I know very well the first time I had the attack I thought I had got poisoned in some manner. The doctor I consulted thought differently, and so after having several had attacks I come to the conclusion it was some sort of dyspepsia, but now I am in doubt, and would like very much to know if such a case was ever recorded from such causes. I know very well this is a question more suitable for a medical journal than one devoted to floriculture, still I think a satisfactory reply may be had through the *FLORIST* perhaps as quickly as through any other medium, so I have propounded it for your readers. Should any be able to give a satisfactory explanation of such a case it would be very gratifying to one at least of your many  
READERS.

#### The Boston Flower Market.

Our illustration depicts an early morning scene at the Park street flower market. The Boston Co-operative Flower Growers' Association was organized October 1, 1892. Previous to that time many of the growers who made a practice of carrying their stock to the city and there disposing of it personally every morning had been accustomed to congregate in a saloon on Tremont street and here the out-of-town retailers, street dealers and others sought them in the dawning hours and the place gradually took on something of the character of an exchange. The locality had several objectionable features, and when the question of a more fitting headquarters was finally agitated many were found ready to go into the scheme, and a stock company was quickly formed with capital stock of \$1500. They first located on Bromfield street, but soon outgrew the room available there, and now occupy a spacious establishment in the basement of Park Street Church. The company has been prosperous from the start and has paid good dividends to its stock holders. The stalls are rented at a certain price per square foot, and choice of location is sold at auction annually.

The retail store men of Boston have always been difficult to handle, as commission men and growers who have had experience well know. Only when there is a decided scarcity of something they want badly will they go or send out of their stores to procure goods, and such scarcity is a condition of rare occurrence nowadays. So, "if the mountain will not come to Mahomet, Mahomet must go to the mountain" and it is no uncommon thing to see the growers after having spent a while at the market waiting in vain for the customers who will buy them out, shoulder their boxes and start out on a personally conducted tour among the big stores, where if they exhibit becoming humility they may perhaps be favored with due condescension by the dignitaries within, especially if holiday time is approaching. But, all the same, if the flower exchange or the wholesalers of Boston were forced to depend entirely upon sales to the city florists they would soon be a "ruined community."

#### New York.

The approach of the Christmas holidays is the subject which most interests flower growers and flower dealers at present, and the problem of how to get prices up or how to keep prices down, according to which side of the market one is on, is the absorbing question of the hour. The short days and cold weather of the first half of the month have had the effect of reducing the crop very materially. Chrysanthemums too are gone, and on some of the bleak days recently experienced a cigar box would come near to holding the entire cut of some growers who not long ago could fill a crate. The occurrence of a day when the market is entirely cleaned out and the demand exceeds the supply, once so common at this season of the year, is so rare an experience now that when it does happen it is triumphantly proclaimed in a manner that reminds one of the old darkey, who returning with empty basket after a successful day's peddling of herbs and greens kept shouting lustily all the way home "Ah sold eb'ryting ah had! Ah knowed ah wouldn't hab to gib 'em away!"

The reduction of the daily product comes as tidings of comfort and joy to those whose rose houses are in crop, and who have been looking forward with

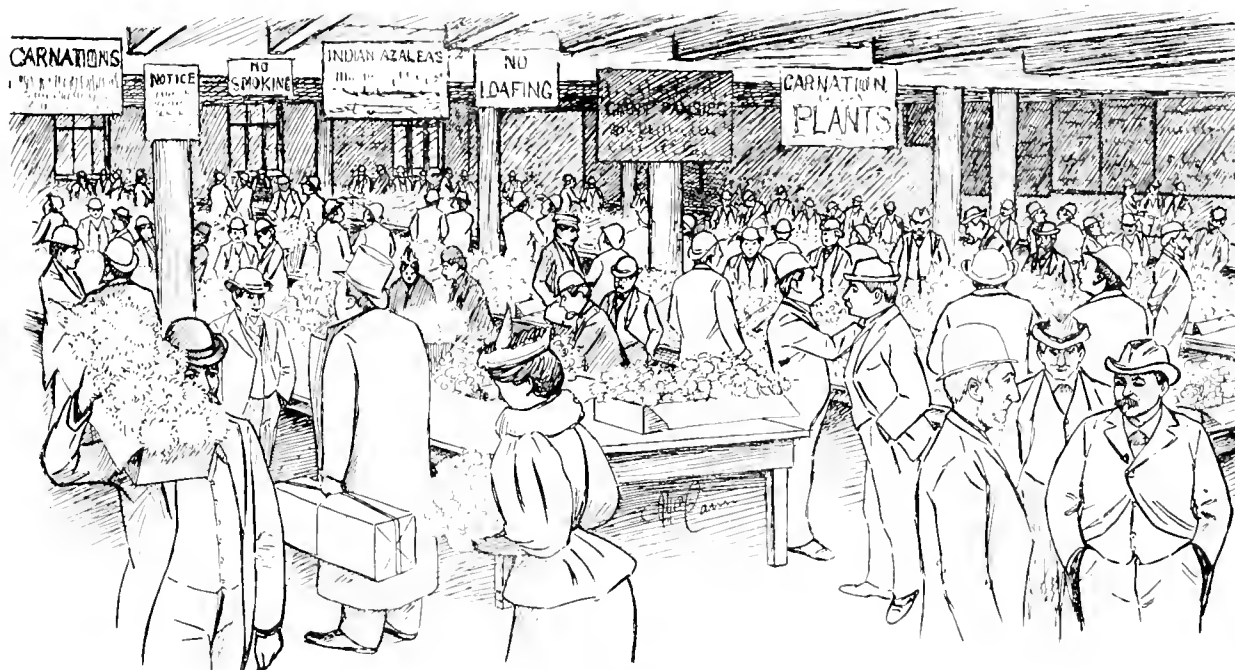
longing to the time when they should be able to realize returns, which should not only pay well for the goods in hand, but also compensate, in part at least, for the profitless fall months which they have been compelled to pass through. But holiday prices as quoted in advance at the large centers of distribution do not point to such a result, and the chances for squaring up in this manner seem very slim. Probably it is just as well that this is so. The principle of eating enough in one day to make up for a week of starvation, if carried out by the individual, would be apt to result in dyspepsia or something equally bad, and the flower business can never attain perfect health while such conditions exist.

Roses have advanced in value since last reports. The special demand has been temporarily for white, and first-class Bride roses have been pretty good property. Meteor seems to stand in good demand also, when there is any business going on. Mr. May's new rose the Morgan exceeds all other varieties in keeping qualities and is rapidly coming to the front in popularity. One grower is sending in some Brunners of extra fine quality. In carnations Scott and McGowan are the staple varieties; the quality varies greatly, some being superb, others looking like an effort on the part of their growers to show how poorly they can grow them. Some of the mignonette coming in is wonderfully fine. The great stalks two feet high and more being sent in by the gilt edged growers would hardly be recognized as a relative of the little old fashioned garden mignonette. As one grower emphatically expressed it, "A man can grow h'orchids and h'all that, but mignonette and candytuft it's not so h'easy, you bet your life it isn't."

Cypripediums are abundant. Outside of these receipts of orchids are confined to Vanda cœrulea and Cattleya Percivaliana, with a few Cattleya labiata still left. Stump's window is arrayed with a luxuriant bank of vandas and is much admired. In Siebrecht & Wadley's window orchids also appear, and Scallen has a brilliant chain of cattleyas the full length of his window. Thorley showed a handsome table decoration last week. The centerpiece was a mound of Farleyense ferns with a mass of Meteor roses in one side and a broad sash of Meteors and ribbon of corresponding shade running diagonally across to one corner of the table. Twigs of holly were on the candleabra. Warendorf's window is gay with holly garlands and scarlet ribbon. Wreaths of scarlet immortelles with bows of ribbon to match and sprays of dried or artificial flowers are seen in many of the florists' windows, and some of them are exceedingly pretty. They are acceptable substitutes for the old styles of Christmas wreaths.

The plant trade is reported as unexpectedly slow. Last year at this date plants sold better than ever before at the same season. The falling off is possibly attributable to the abundance and cheapness of cut flowers. It was no secret last year that many of the retail florists resented the advance in cut flower prices by recommending plants as likely to give greater satisfaction for the money, and advised their customers to buy them in preference to cut flowers.

The great event which has been looked forward to for the past month by the young men who compose the 23d street galaxy, the first annual ball of the employees of the N. Y. Cut Flower Co., took place on Monday evening, 16th inst., at Lyric Hall. The efforts of the officers and



THE BOSTON FLOWER MARKET.

members of the association were crowned with success. A large company, numbering fully two hundred couples, assembled in time for the grand march at 11 p. m., and from that hour until 4:30 a. m. the "light fantastic" was tripped with untiring industry. From the first note of the "grand entree" until the strains of "Home, Sweet Home" sounded everybody was thoroughly happy, and departed with a unanimous determination to come again when opportunity is offered. The credit of this success is largely due to the officers, who have worked earnestly from the start, and who did everything possible for the pleasure of their guests.

John Rudes of 78 Flushing avenue, Astoria, committed suicide in a most sensational manner early on the morning of December 16. He first took a dose of Paris green, then emptied the contents of a two gallon can of kerosene on an old bed quilt, set fire to it and finally hanged himself in the midst of the bonfire he had made. The dense smoke awakened his step-son just in time to save the entire family from being burned to death.

A remarkable feature of the holiday supply trade is the short supply of bouquet green. The price has been rapidly advancing in consequence, and has now reached unprecedented figures. Holly is generally of excellent quality with plenty of berries, and although in good supply will probably be sold out clean.

Jos. J. Barry has been retired as one of the office assistants of the N. Y. Cut Flower Co.

#### Boston.

Christmas orders come in rather slowly, so say the retailers. They complain of difficulty in securing enough violets for regular every day demands, but all other kinds of stock are in full supply. There is no question that the violets are in existence on the plants, and it is the height of folly to hold them back if they are ready to pick. Those who are following this practice should read the story of last year's slump on violets as recorded in the AMERICAN FLORIST at that time and reflect upon the moral. Many a thousand

violets that might have been sold during the past week will go next week at a fraction of what they would bring at present writing. It is to be hoped that carnations will not meet a similar fate. Prices on carnations are well up at present, running all the way from \$2 to \$4 per hundred for good stock.

Sales of holiday greens are more than satisfactory. The demand for holly keeps ahead of all previous records. Mistletoe is as usual coming to hand in very bad condition, it being almost impossible in many cases to find a single branch in a whole crate that will hold together. It is possible to so pack and carry mistletoe from England to this country that it will arrive in perfect condition, for it has been done, so the wasteful practice now prevailing of paying of paying freight on hundreds of crates of rubbish and dirt is all the more inexcusable.

Among the plants offered for Christmas the most salable seem to be the cyclamens. These are in market in fine condition and appear to be very popular. Azaleas are also being sent in, the best bloomed plants being the whites, but red is the color most in demand. Small orange trees are also seen in most of the florists' windows. Poinsettias grown to single stem and head are quite abundant. They give just the right color for the prevailing holiday fancy, and should meet with a ready sale.

Fred. Mathieson has made a good strike on double white bouvardia, of which he has an enormous Christmas crop. He grades it into four classes, the finest clusters selling readily at \$6 per hundred.

Visitors in town: Jas. Nisbet, Pawtucket, R. I. and G. S. Congdon, Bristol, R. I.

#### Philadelphia.

Everything looks bright for a good Christmas trade, quite a number of orders are being taken, and plants are being selected and set aside by those who like the first choice. Beside the usual palms and foliage plants, the blooming and berried stock is made up of the following: Poinsettias, begonias, Lilium Harrisii in

quantity, azaleas, very well flowered, daisies, geraniums, cyclamens, dwarf oranges, ardisias, and Jerusalem cherries. There promises to be a good supply of cut flowers if the weather continues clear. Prices have jumped a little the past week, and on Monday, 16th, moved up another notch. All the best teas are now bringing 8 to 10 with emphasis on the \$10; seconds and small stock \$4 to \$6. Beauties and Belles are nearly up to high water mark; \$4 to \$6 per dozen is demanded for the best stock according to length of stem. Carnations are also feeling their importance and anything like good flowers bring \$2, while the fancies go for \$3. White, Scott, and Daybreaks are the best sellers. L. Harrisii is more plentiful at this season than usual and sells for \$12 per hundred. Valley is more plentiful at \$6 to \$6, paper whites and hyacinths are now fine and go for 3 to 4. The old story about violets, very scarce now, the market glutted with poor stock at Christmas. Thousands could have been sold the past week but there were few to be had; the stock that should have been offered remaining on the plants for a better price at the holidays. Violets have brought 1.25 to 1.50 for very inferior stock the past week. Mons. Supiot is having a great run on his Luxe or French violet; it is a large single similar to the California violet and obtained the premium over the latter variety at the late New York show. His are grown in houses with no artificial heat, the plants freeze up every cold night, but a little sun soon thaws out the beds and the flowers appear. His selected flowers are certainly fine and would attract attention anywhere. The California violets being received by Ed. Reed are all that has been claimed for this new variety, very few of the old single kinds will be worth growing if this should be found to do well under ordinary circumstances. The flowers are large with long stems, a beautiful dark color and a delightful odor that clings to them even after the price is announced; \$2 per hundred is a creamy price for single violets, but a bunch of fifty is as large as a similar cluster of the best double and they may compete successfully with them.

Ground pine is very scarce and 7 to 8 cents per pound is easily obtained for it; all other forms of Christmas greens seem plentiful enough. Laurel wreathing sells for \$2 to \$4 per hundred yards. Holly, very good, \$3 per 16 cubic foot case, holly wreaths \$8 to \$12 per hundred.

The December meeting of the Penna. Horticultural Society held last Tuesday evening was very well attended. Such interest has not been shown by the members for a long time. It was the annual election night and there was considerable work done to get out a full vote. The following ticket was elected: President, C. H. Clarke; vice-presidents, Robert Craig, Chas. H. Miller, John Westcott and Dr. George Goebel; secretary, David Rust; treasurer, Thos. Cartledge; Professor of botany, Dr. George Goebel; Professor of horticultural chemistry, Dr. P. Frayer; Professor of entomology, Rev. H. C. Cook. Mr. Robert Craig gave an account of progress made in getting a city forestry commission to have control of trees in the city so that there could be more uniformity of action in tree planting on public thoroughfares. There was an exhibition of vegetables for the C. H. Clark prizes, the first being awarded to James Kaighn of Camden, N. J., and the second to R. C. Kaighn of Ellisburg, N. J. There was an exhibit of Della Fox and Annie Lonsdale carnations, and a new pink one from Baltimore and named after that city, exhibited by Conrad Hess; it is a deep color and looks promising.

John Crawford late of 16th street has opened a store at 15th and Locust.

A strike on the street passenger railway lines is interfering considerably with business, there has practically been no cars running since the 16th and it looks as if the holiday season would be over before regular service is resumed. It is a most complete tie up. K.

#### Chicago.

Nothing can be more discouraging to the florists than the weather prevailing for the week before Christmas. Warm, dark and foggy, varied only by pouring rain, nothing could possibly be worse for the quality of the flowers. Whether there will be an actual shortage remains to be seen. This week local trade has been exceptionally dull; shipping trade, however, has been brisk, and the supply of good flowers has been short. Roses are suffering greatly in quality, being soft and off color. Unless there is a marked improvement the quality of Christmas shipments must naturally be inferior, compared with that produced under bright clear skies. Prices are growing firmer every day, and it is the general opinion that they will go to the highest notch quoted in advance. It is thought that good Bridesmaids will be firm at \$15. Carnations are already stiff at \$3, and some fine grades will bring \$4; 5 is the advance price given for fancies, and Rose Queen in high quality is expected to reach \$6. Valley is very fine at \$6 and \$7. Tulips are quoted; they are of course the scarlet Van Thol, and like all very early ones are rather short stemmed. There is no doubt that the pickling process has already begun in some quarters, and no doubt the out of town customers will have their same old plaint to utter. The commission men, however, are growing very wary, and the grower who has gained a reputation for pickled stock need not wonder if his flowers wait till the last.

William Kirkham, grower for Mrs. Rockafellow, is sending in cyclamen plants which sell very readily, this favorite plant

being scarce in our market. The 4-inch sizes sell for \$6 a dozen, 6-inch \$9. It is a pity more attention is not given to this plant here.

W. S. Fischer & Co., the seedsmen, late of West Washington street, have moved to Freeport.

A recent accession to the ranks of the city florists is Mr. Geo. Mamerow, who is conducting a general business at Irving Park (Station G.).

The Parkside Floral Co. will hereafter be known under the firm name of E. Eagle & Co. Mr. W. C. Cook will continue as manager. Mr. Ed. Eagle has been in business on the south side for some time, and is well known in trade circles.

Recent visitors: A. H. Dew, Albion, Mich.; J. A. Pettigrew, Superintendent of Parks, Milwaukee; W. S. Fisher, Freeport, Ill.

#### St. Louis.

Trade still continues fair. The warmer weather has slackened up the demand somewhat, it being not quite as good as last week. The prospects for Christmas trade are good. It is doubtful if the prices will be as high as the past two seasons.

The Busch wedding of course took all the flowers in town to-day (Monday). Flowers that came in this week were good, but not over-plentiful. Harrisii and valley are bought up as they come in, as they are in great demand. Roses bring about the same prices as last week. Violets scarce and in demand; they bring 35 cents per hundred. Narcissus and Romans are not plentiful, and bring \$4. Carnations, good stock, bring \$3; Scotts and Daybreak are still the best sellers.

The regular meeting of the Florists' Club was held Thursday, December 12, at 3 p. m. with a large attendance, the largest for some months past; our suburban members were out in full force. Walter Retzger of Shaw's Garden was elected a member of the club, and Mr. Dickman, the seedsman, made application for membership. The committee of three appointed at the last meeting reported favorably the having a chrysanthemum show in '96. The committee was then discharged, and the president then appointed an exhibition committee of five, consisting of J. J. Benecke, F. C. Weber, R. F. Tesson, Harry Young and Emil Schray to make arrangements for a grand chrysanthemum and floral exhibition in 1896, after which the essays were read. Mr. E. H. Michel's essay was how to run a chrysanthemum show successfully, and received much praise; he was also complimented on the able manner in which he ran the late show. Mr. F. W. Ude, Jr., of Kirkwood was next in order with an essay on how to grow carnations profitably. An abstract of his essay appears in this issue.

The floral decorations at the marriage of Miss Clara Busch and Mr. Paul Von Gontard were the finest ever attempted in St. Louis. The church of the Messiah was covered from one end to the other and from top to the bottom with plants. Each of the pews had a brass pole about four feet high roped with smilax and studded with white carnations; on top of each one of these poles was a large bouquet of Harrisii, white 'mums and Bride roses, tied with broad white satin ribbon. This was the work of the Riessen Floral Co. The bouquets of the bride and bridesmaid were also very fine and tastefully arranged. The floral display at the reception in the Southern Hotel was of a style and magnificence never before seen in the western country. Ostertag Bros. were

congratulated by their many friends for their fine work in the parlors and dining rooms. C. Young & Sons Co. decorated the halls and twenty-nine rooms very handsomely. The three florists, Riessen, Young and Ostertag, must be complimented on the way they handled the big job. Everything worked their way, and everybody was through in time, and the weather could not have been finer for such work. J. J. B.

#### Cincinnati.

On December 12 a party of Cincinnati florists, consisting of Messrs. Albert McCullough, E. G. Gillett, R. Witterstaetter, Robt. Murphy, C. C. Murphy, Julius Schuman, Aug. Hoffmeister, Jos. Linfoot, Geo. Corbett and the writer paid a visit to the florists of Richmond, Ind. On the way they were joined by Theo. Bock, of Hamilton, O.

At Richmond the party way met by Mr. E. G. Hill under whose guidance they visited the establishments of Gause & Co., E. G. Hill & Co., and the Quaker City Machine Works, at each of which many things of interest were seen and enjoyed. At Mr. Hill's residence the party were entertained at dinner, and Mrs. Hill proved a charming hostess. At Messrs. Hill & Co.'s greenhouses the new carnations, cannas, roses, etc., were a decided attraction. At the Quaker City Machine Works Mr. Evans rounded the boys up on the large scales and ascertained that the combined weight of the eleven florists was 1785 pounds.

The 85th meeting of the Cincinnati Florists' Society was a "hummer." As previously announced it was a "carnation meeting" and a finer lot of carnation blooms was never before seen in this city. The awards of certificates were as follows:

Carnation seedlings—Best red, E. G. Hill & Co., with Jubilee; Best pink, Myers & Samtman, with Della Fox; Best white, E. G. Hill & Co., with Flora Hill; Best variegated, Fred Dorner & Son, with Mrs. Geo. M. Bradt; Best yellow, John Breitmeyer & Sons, with "No. 19."

Commercial carnations—Best red, H. Weber & Sons, with Hector; Pink, Wm. Murphy, with Bridesmaid; White, H. Weber & Sons, with Alaska; Variegated, F. Dorner & Son, with E. A. Wood; Crimson, F. Dorner & Son, with Meteor.

Roses—American Beauty, Geo. Corbett; Mrs. Pierport Morgan, E. G. Hill & Co.; Mme. Eugene Verdier, E. G. Hill & Co.; Kaiserin Augusta Victoria, Hoffmeister Floral Co.; Bride, the same; Bridesmaid, the same; Perle, Frank Huntsman; Cusin and Sunset, the same.

Collection of cannas, Hill & Co.; lily of the valley and Roman hyacinths, Magrie & George; chrysanthemum Yanoma, N. Smith & Son; violets, R. Witterstaetter; cyclamens and ferns, J. A. Peterson; primroses, P. T. Popp. Mr. Pennock's carnations arrived too late to be judged.

The judges were Messrs. Elmer D. Smith, Adrian, Mich.; John Fries, Newport, Ky.; Theo. Bock, Hamilton, O.

Mr. Fred. Dorner read a very interesting and instructive paper on carnations, Mr. Smith spoke on chrysanthemums and Mr. Weber on carnations.

Visitors the past week were, J. R. Goldman, Middletown, O.; Mr. Kroter, representing Siebrecht & Wadley; E. G. Hill, Richmond, Ind.; Fred Dorner, LaFayette, Ind.; John Evans, Richmond, Ind.; Wm. Holbrooks, Evansville, Ind.; Elmer D. Smith, Adrian, Mich.; D. S. Honaker, Lexington, Ky.; Wm. Meyers, Chestnut Hill, Philadelphia, Henry Weber, Oak-

land, Md.; G. R. Gause, Richmond, Ind.

Ed. Bissell will go back to Hill & Co. January 1.

Miss Minnie Cozad was married to C. M. Gordan, of Georgetown, Ohio, the county surveyor.

Prices are stiffening on cut flowers. Perles are 4 to 5, Mermets, Brides and Bridesmaids 6, Meteors 6 to 8, Beauties 15 to 50, carnations 2 to 5, Romans 3, narcissus 4, valley 5, violets 1 to 1.50 and scarce, smilax 15. WM. MURPHY.

#### Grand Rapids, Mich.

CORRECTED LIST OF AWARDS AT THE RECENT EXHIBITION.

In the specimen class the Grand Rapids Floral Co. were first for specimen pink and white, second for yellow and third for bronze; Crabb & Hunter first for yellow and any other color, second for pink and white. James Schols first for standard, Grand Rapids Floral Co. second.

In collections of ten each, bush plants in 8-inch pots, Crabb & Hunter received firsts for 10 yellow, 10 white, 10 pink, 10 any other color; second on bronze, second on 25 single stems, 7-inch pots; and first for general collection 25 bush plants, any size pot, also second on palms and tropical plants. Henry Smith second for 10 white, 10 yellow, 10 pink, 10 any other color, first on 10 bronze, on 25 single stems, and third on general collection of 25 bush plants, and first on palms and tropical plants. Schmidt Bros. were third on 10 yellow, 10 pink and 10 bronze; James Schols third on 10 white and 10 any other color, third on 25 single stems. Grand Rapids Floral Co. third on palms and tropical plants.

The competition on the mantels was spirited, everybody doing their level best, which drew out some very fine and artistic work, if anything more pains being taken with the mantels than the tables. Crabb & Hunter won first on mantel, also the same on table. Grand Rapids Floral Co. second on mantel, Henry Smith third and second on table, with J. A. Creelman third on table.

#### CUT CHRYSANTHEMUMS.

Henry Smith firsts for 12 blooms pink, 12 bronze and general display of cut blooms; thirds for 12 yellow, 12 white, 12 any other color. James Schols firsts on 12 yellow (Eugene Dailledouze), and they were grand, 12 white and 12 any other color; seconds for pink and display, third on 12 bronze. Grand Rapids Floral Co. seconds on 12 white, 12 bronze, 12 any other color, third on 12 pink and display.

#### CUT CARNATIONS.

Henry Smith was awarded first on 25 white, thirds on 25 red and 25 any other color. Crabb & Hunter first on 25 yellow, second on 25 any other color; third on 25 pink. Grand Rapids Floral Co. second on 25 pink and 25 red. Geo. Hancock & Son of Grand Haven first on 25 pink, second 25 yellow, third 25 white. J. A. Creelman second on 25 white. James Schols first on 25 red and 25 any other color.

In the cut rose section Crabb & Hunter received firsts for 12 white, 12 pink, 12 yellow and 12 red; third for American Beauties. Grand Rapids Floral Co. first for Beauties, seconds for 12 yellow, 12 pink, 12 red and 12 white. J. A. Creelman third for 12 pink. Henry Smith second for American Beauties, thirds for 12 white, 12 yellow and 12 red.

Visiting florists: Geo. Hancock, Grand Haven; Nathan Smith, Adrian; James Blair, Big Rapids; J. S. Long and wife of Petoskey.

Had it not rained on Saturday the show would have been as great a success financially as it was in every other respect. As it is, all expenses are paid, and \$186.77 spread on the premium list. Although this was a grand affair the boys are already saying "This show is fine, but just wait till next year, and we will show you something."

The committee on parks sent a fine display of decorative plants, which helped immensely to add to grandeur of the decorative effect of the hall; the exhibit was in charge of Wencil Cirkuski, city florist.

R. Hoffman of Hillsdale exhibited a fine group of 25 single stem plants which attracted much attention, as also did Geo. Hancock's seedling carnations.

The fact that we gave a show is due largely to the untiring efforts of Henry Smith, aided by the spontaneous hearty support accorded him by the boys, who are a unit in saying Henry, our president, is the right man in the right place.

Geo. F. Crabb, Sec'y.

#### Cleveland.

Business of late has been fair. Thank-giving trade made a little spurt to vary the monotony of the ordinary humdrum of affairs. Aside from that there has been no feature calling for any particular mention. Present indications seem to promise a fair supply of stock for the holiday season, with possibly the single exception of roses, which with some are partially off

crop. At a few establishments they seem to be entirely out of bloom. Carnations nearly everywhere look well and promise a good supply right along. Daybreak and McGowan are showing a good deal of rust with many growers, Daybreak being particularly bad, although as yet it has not materially affected either the quantity or quality of bloom. One or two extensive growers claim to have less trouble from carnation diseases this year than in former seasons, but with many the tendency is the other way, more especially with rust.

Chrysanthemums will probably be in larger supply during the holiday season than in any previous year, probably owing to the very general lateness of all varieties. J. M. Gasser has a particularly fine batch of Mrs. Jerome Jones which is in the very best of shape, while nearly all the growers can show considerable stock of one kind or another. A. Grabam & Son have a houseful of them in variety, Mrs. Jerome Jones, Queen, Niveus, Challenge, W. W. Coles and also a batch of Lincoln, the majority of which are just beginning to spread. Many of this latter sort will not be at their best until about New Year's.

The round of the west side establishments was made lately by the writer, and everywhere stock was looking well. At J. M. Gasser's two places everything was in good shape. One batch of his chrysanthemums has been spoken of, but there are several other late sorts that look well. The carnation houses were full of very fine stock, clean, healthy, vigorous, and carrying a good crop of very fine flowers. A good batch of Harrisii, the 5 to 7 size, was also in bloom. Some good catleyas were also noted, but the cypripediums (insigne) were all done. Other stock was looking well. Roses were good, though some sorts were not in full crop.

Mr. Robinson, representing the Louisville Spirit Cured Tobacco Company, was in town during the week.

#### Rochester, N. Y.

The outlook for a good Christmas trade is very promising this year, especially in the plant line. Many such orders are in already, and nearly all the florists in town are better prepared this time for a lively demand in plants than ever before. At Salter's a goodly number of Begonia incarnata grandiflora is in full bloom and fine shape; their palms and foliage plants are of the right salable size, and in good condition. Primroses and hyacinths are well represented, and with a fairly good trade they will dispose of most of their stock without any difficulty, for it is well grown and healthy.

At Schlegel's greenhouses, in addition to the above mentioned stock of plants, a number of double white azaleas may be found and no doubt they will dispose of them all. The palms here are remarkably short and stocky. A number of potted carnations also are in full bloom.

Keller's have probably the largest stock of palms in town and the plants are in excellent condition. A fine batch of profusely flowering cyclamens are waiting for the purchaser; strange to say this plant, so popular in other cities, does not sell as fast here as the grower would desire. Besides the usual bulbous and other flowering stuff, begonias and azaleas in variety, they are well supplied with marguerite daisies, and araucarias in different sizes, also a large assortment of ferns, from specimen plants down to the small 2½-inch pot for filling the smallest ferneries. Wilson's, Bishop's, Fry's,

Brigg's, Crosman's and all the rest of the florists, everyone is well stocked with plants, expecting an increased demand in this line.

Cut flowers are coming in equal to the demand at present, but indications point to only a limited supply for the holidays unless we get brighter weather from now on, for we have had it very dull and cold lately, so that flowers had a very poor chance of opening and developing. The retail trade in cut flowers is and has been fairly good since my last report; also a number of decorations in halls, stores and private houses have been called for frequently. Owing to the severely cold weather we have had, and in spite of wrapping and closed protecting wagons, many a good specimen had the leaf tips frozen and its beauty spoiled beyond recovery, so there are reasonable doubts as to the profits made in these plant decorations, still when such orders came in, no florist can afford to refuse even in the coldest weather, for usually some cut flowers, wreathing or other greenery goes with it, but in such weather we are almost sure to have more or less of the plants badly damaged in spite of protection and precaution while on the way. The carrying to and from the wagon generally is enough to spoil them.

Last week a fire occurred at the greenhouses of the Crosman Bros., just back of their large seed house on Monroe avenue, and considerable damage was done to the growing plants in the houses by the smoke. The sheds are almost a total loss and have to be rebuilt. An overheated steam pipe is said to have caused the fire.

J. B. K.

#### Toronto.

Business generally appears to have been a little dull all round this last week, and in looking back I find that the second week before Christmas is always that way, a sort of lull before the storm.

Prices are however, beginning to feel the approach of the season and are stiffening considerably in some lines. The weather since the last cold snap petered out has been lovely, "fair and comparatively mild" as the weather prophets put it. There is a strong east wind blowing now though, and I am afraid the good weather will not last long.

The executive committee of the G. & F. Association met last week and will in their report recommend changes of great importance to the Association. The meeting was most enthusiastic and it is expected that if the plans recommended are agreed to horticulture will make great progress in this city during the next few years. Unity of action is all that is wanted to do it. Election of officers for the coming year is another piece of important business to be done at the next regular meeting of the Association.

Later.—The following is the result of the election of officers at the regular December meeting of the Gardeners' and Florists' Association: President, Geo. Reeves, by acclamation; first vice-president, J. H. Dunlop, by acclamation; second vice-president, A. J. Watkins, by acclamation; secretary, E. H. Carter, by acclamation; assistant secretary, M. B. Spears, by ballot; treasurer, A. Ewing, by acclamation. Executive Committee: Messrs. J. Chambers, G. Vair, T. Manton, C. Tidy, S. E. Briggs, W. H. Hill, H. Simmers. Forty-five members were present.

E.

BRIDGEPORT, CONN.—Mr. James Horan is confined to his home by a severe attack of paralysis.



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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

**A Blue Chrysanthemum.**

Three young women were walking together down Walnut near Tenth street at noon yesterday and were passing a flower store, when one of them caught the girl nearest her by the sleeve, and pointing to a cluster of chrysanthemums in bloom, which stood in pots on the sidewalk, said:

"Oh, do look there, girls!"

The other two stopped short and the young woman in the center exclaimed with a giggle of delight:

"Blue chrysanthemums!"

The young woman who had been walking next to the curbstone stopped, too, and said:

"Oh, aren't they just lovely!" with accent on the lovely.

The three young women gathered in a semi-circle around the flowers, and the first one said:

"Why, I never knew there were blue chrysanthemums, did you girls?"

She reached out her hands and touched one of the blooms, and her glove and a part of her sleeve were as blue as the flowers themselves. The three stared a moment in wonder, and then glanced up at the optician's sign which hung in front of the second story of the building next door to the south. The sign was a big pair of spectacles with blue eyeglasses a foot in diameter through which the rays of the sun shone upon the flowers.

"Well, just fawney," said the girl who had first spoken, and with looks of disgust on their faces the three young women wheeled about and walked on.

WILLIAMSPORT, PA.—Evenden Bros. have recently added a violet house 75x75 with roof sloping gently to the south. Heated by steam.

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JOEBERS IN  
FLORISTS'  
SUPPLIES,  
FLORISTS'  
VASES.

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BRIDES,  
GONTIERS,  
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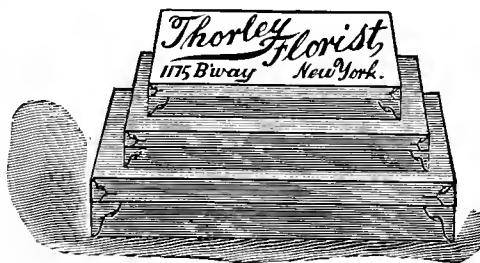
WE HAVE SOME EXTRA FINE PLANTS  
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5-inch pots.....\$1.00 each  
6-inch pots.....2.00 each  
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CASH WITH ORDER. La Fayette, Ind.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**

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See our December Monthly before arranging for Spring  
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ship Trade orders for Cut Flowers at  
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15 CENTS PER STRING.

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Consignments solicited. Prompt attention to all orders

Wholesale Markets.

Cut Flowers.

NEW YORK, Dec. 20.	
Roses, Beauty, extra grades.....	10.00@40.00
" " culls.....	5.00@10.00
" " Perle, Cusin, Waterville.....	3.00@5.00
" " Bride, Bridesmaid, Testout.....	3.00@5.00
" " Meteor, Morgan.....	3.00@12.00
" " Common mixed stock.....	1.00@3.00
Carnations, ordinary.....	50@1.00
" " fancy.....	1.50@3.00
Violets.....	.75@2.00
Valley.....	5.00@10.00
Harrisli.....	5.00@8.00
Mignonette.....	4.00@10.00
Roman hyacinths and paper white.....	2.00
Cypripediums.....	10.00@15.00
Cattleyas.....	30.00@40.00
Adiantum.....	75@1.00
Asparagus.....	50@50.00
Smilax.....	10.00@12.00

BOSTON, Dec. 20.	
Roses, Gontler, Niphetos.....	2.00@4.00
" " Perle, Hoste.....	4.00@6.00
" " Bride, Bridesmaid, Mermet.....	4.00@10.00
" " Meteor.....	4.00@12.00
" " Beauty.....	5.00@5.00
" " extra.....	25.00@50.00
Carnations.....	1.00@2.00
" " fancy.....	2.00@4.00
Violets.....	50@1.50
Valley.....	4.00@5.00
Harrisli, callas.....	12.00
Paper white narcissus.....	2.00@3.50
Romans.....	2.00@3.00
Stevia, Marguerites.....	1.00
Mignonette.....	4.00
Cypripediums.....	12.00
Adiantum.....	1.00
Smilax.....	12.00
Asparagus.....	50.00

PHILADELPHIA, Dec. 20.	
Roses, Beauties, selected.....	25.00@50.00
" " medium.....	10.00@25.00
" " best selected teas.....	8.00@10.00
" " seconds and small stock.....	4.00@5.00
" " Morgans and extra select teas.....	6.00
Carnations, general stock.....	1.70@3.00
" " selected and choice kinds.....	3.00@5.00
Mignonette.....	2.00@4.00
Valley.....	4.00@6.00
Violets, single per hundred bunches.....	3.00
" " double.....	1.50@2.00
Adiantums.....	1.00
Smilax.....	12.00@20.00
Asparagus.....	50.00@75.00

CHICAGO, Dec. 21.	
ADVANCE CHRISTMAS PRICES.	
Roses, Beauties extra.....	100.00
" " good.....	50.00@75.00
" " other grades.....	15.00@25.00
" " short.....	6.00@8.00
" " Brides.....	8.00@15.00
" " Bridesmaid, Mrs. Whitney.....	15.00
" " Morgan, Siebrecht.....	12.00
" " Meteors.....	8.00@15.00
" " fancy.....	15.00@18.00
" " Perle.....	6.00@12.00
" " Gontler.....	5.00@8.00
" " fancy.....	10.00@12.50
" " assorted.....	6.00@12.00
" " Mermet, La France.....	8.00@15.00
Carnations.....	3.00@4.00
" " fancy.....	4.00@6.00
Harrisli, callas.....	12.50@15.00
Valley.....	6.00@7.00
Tulips.....	6.00@8.50
Chrysanthemums.....	12.00@20.00
Mignonette.....	2.00@3.00
Stevia, Violets.....	1.50@2.00
Roman hyacinths.....	4.00@6.00
Narcissus (paper white).....	3.00@4.00
Smilax.....	15.00@18.00
Farleyana ferns.....	12.00
Adiantum ferns.....	1.00@1.25

ST. LOUIS, Dec. 19.	
Roses, select stock.....	4.00@8.00
" " ordinary.....	2.00@4.00
" " Beauties extra.....	25.00@50.00
" " short.....	10.00@20.00
Carnations fancy.....	2.00@4.00
Valley.....	12.00@15.00
Harrisli.....	8.00@10.00
Callas.....	4.00
Romans.....	4.00
Paper white narcissus.....	4.00
Mignonette.....	1.00@3.00
Violets single.....	1.00
" " double.....	1.00
Smilax.....	15.00@18.00
Asparagus.....	50.00
Chrysanthemums.....	1.00@15.00
Adiantum.....	75@1.00

BUFFALO, Dec. 18.	
Roses, Beauties.....	35.00@50.00
" " Meteors.....	12.00@20.00
" " Bridesmaid, Mermets, Bride.....	15.00@20.00
" " Cusin, Perle.....	12.00@16.00
Carnations, fancy.....	4.00@5.00
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Callas.....	12.00@15.00
Harrisli.....	15.00@20.00
Romans.....	4.00
Valley.....	5.00
Stevia.....	1.25@1.50
Violets.....	1.50@3.00
Adiantum.....	1.50
Smilax.....	12.00@15.00
Asparagus.....	50.00

**GEORGE A. SUTHERLAND,**  
Successor to PECK & SUTHERLAND,  
Successors to WM. J. STEWART,  
**Cut Flowers and Florists' Supplies**  
**WHOLESALE.**  
67 Bromfield St., BOSTON, MASS.  
New England Agent for the GREAT ANTIPEL.

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49 WEST 28th STREET,  
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SPECIAL EXTRA STOCK OF  
AM. BEAUTY, METEOR,  
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DISBUDDED CARNATIONS.  
FANCY GRADE.

CATTELYA LABIATA, splendid blooms.

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Roses Shipped to all points. Price list on application.

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Careful Shipping to all parts of the country.  
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111 WEST 30TH STREET,  
Established 1879. NEW YORK CITY.

**JULIUS LANG,**  
(Formerly with THEO. ROEHRS.)  
Commission Dealer in Cut Flowers,  
WHOLESALE,  
53 West 30th St., NEW YORK CITY.

## Our Seed Trade.

### AMERICAN SEED TRADE ASSOCIATION.

S. E. BRIGGS, Pres.; T. W. WOOD, 1st. Vice-Pres.; ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Chambers St., New York, Sec'y and Treas.

The jobbing seed trade reports unusual dullness for the past month; even scarce items do not bring a good price.

VISITED CHICAGO:—S. F. Willard, of Comstock, Ferre & Co.; Chas. Woodill, with J. M. Thorburn & Co.; H. A. Johns, B. L. Grant.

### A Coming Seedsman.

The *New York Herald* recently told about a boy in Rodman Village, New York, whose senses of seeing, feeling, hearing, tasting and smelling are so extraordinary that a microscope and a chemist's test-tubes are clumsy contrivances compared with young Clarence Barton. Regarding his sense of touch, the following is recorded:

Adams is the railroad station nearest to Rodman village. A mile or so west of Adams is the large seed farm and barns of T. V. Maxon. Last fall Mr. Maxon harvested less than a peck of three different new varieties of wrinkled peas, grown from samples sent to him from England a year ago last spring. These peas, to the common observer, are exactly alike in appearance—that is to say, a handful of one kind is so like the other two kinds that one would at once say they are all from the same kind of vines.

However, when growing in the fields, there is a wide difference in these varieties, which the veriest blockhead would have no difficulty in discerning. Mr. Maxon is an expert seed grower, and very slight differences in similar seeds are quickly noted by him; but when through the carelessness of a blundering farm hand, who thought them all the same kind, these new varieties of peas were hopelessly mixed in a bag, Maxon could no more distinguish, pick out or assort one kind from another than if he had never seen a pea.

He was in a quandary. The seeds were almost valueless unless assorted. Maxon knew the Barton boy's father, and meeting him at Adams one day, told him how his new peas were hopelessly mixed. Barton said he thought his boy could sort them out. Maxon became interested at once, and said that if the boy could do it, which could not be verified until the plants were growing in the field, he would give him \$50.

On returning home Barton told his son what Maxon had said, and a few days later Clarence and his father rode over to Adams and to Maxon's seed barns. The sack of mixed peas were dumped into a picking tray, and after a handful of each of the three varieties (which, luckily, Mr. Maxon had saved out to send away, just before they were mixed) were shown to the boy for comparison, he went to work. Maxon doubted the boy's ability to accurately separate the peas, and said so. But Clarence kept right along diligently at work until the seeds were sorted, only remarking when he drove away with his father:

"I'll come after that \$50 next fall, Mr. Maxon."

It was with a good deal of doubt and misgiving that Mr. Maxon put those peas in the ground last spring, but about the middle of last month he sent a check, payable to the order of Master Clarence Barton—not for \$50, but for \$100. So far as could be discovered not a single error had been made in the sorting.

### San Francisco.

During the early part of this week the cut flower trade was very good, but towards the close of the week it was hardly as good as it might be. Good roses are scarce just at present. The Beauties coming in are nearly all from first crop, and consequently very short stemmed, although the flowers are of very fair size and color. Testout is very small. Some very fine Kaiserin are to be seen. These come from Mr. George Karmen's place at Sausalito. Mr. Karmen is also bringing in very good carnations, particularly Daybreak and McGowan. Lily of the valley is in short supply, and the demand is very good; it brings \$1 per dozen at present. These come from Mr. Grallert, who is well known as a grower of fine valley. As for chrysanthemums little need be said; they are still coming in, but

the quantity is greatly reduced and the quality generally is not very good, although we see some extra good H. E. Wideners still. These are in big demand at \$1 per dozen. California violets are also wanted largely, but the supply is not equal to the demand by any means on account of the cold weather.

John Schorle, who recently opened a store in the Parrot Building on Post street, has left for parts unknown. That store seems to be ill fated, for every florist who has opened there has failed.

We were all glad to see Dan Driscoll in town Tuesday. He is slowly recovering from his recent illness, and hopes soon to be about again.

A. Beozotti & Co. have opened a new store on Sutter street between Stockton and Powell street.

Mr. P. O'Hearn is putting in a heating apparatus in his carnation houses at San Mateo. Steam heat will be used instead of hot water.

Frank Pelicano & Co. of 343 Kearny street have a very fine collection of palms and cypas in their store. Mr. Geo. Ernst reports a growing demand for these lately, and they have taken the opportunity to lay in a good stock of salable sizes.

METEOR.

### New Orleans.

Northern commission men should be more careful about shipping C. O. D. packages of cut flowers to the fakirs in this city. A number of them are up to all the tricks necessary to get possession of perishable goods without paying for them. They will send the money for the first lot and then order C. O. D. Shippers should look with strong suspicion on such orders from people about whom they have no definite information.

A common trick is for the consignee to refuse to receive the shipment on one pretext or another and later on a confederate will buy them from the Express Company for the amount of the freight charges. To give them an appearance of having permanent headquarters they will secure permission from some storekeeper to have their mail addressed to his number, though they may own absolutely nothing but a box on the street.

By exercising more caution in this matter shippers will save themselves money and at the same time prevent unjust competition with regular florists who do pay their bills and rent too.

HARRY PAPWORTH.

### Allentown, Pa.

H. E. Kratz & Co. have recently equipped their place with new heating apparatus, the greenhouses being now heated by hot water.

Messrs. G. A. Ellsworth & Co.'s new flower store on Sixth street is a great improvement on the average store of the kind to be found in towns of the size of this. The store covers 36x46, is neatly finished, well lighted and is provided with all the comforts and conveniences. In addition to cut flowers, they handle a full line of choice fruit, finding quite a demand for the latter.

The late Ernst Bolte's greenhouses on the outskirts of the town, are now in possession of Messrs. Ellsworth & Co. These have been considerably remodeled and put in the best of working order.

A unique and most elaborate funeral design that attracted a good deal of attention, was recently put up by Messrs. Kratz & Co. It was a 36-inch railroad flag ordered by the employees of the Lehigh Valley Railroad Co. for the funeral

of the company's local freight agent. The flag was made of white carnations with the diamond and letters "L. V. to B. M." worked out in red.

X.

### St. Paul.

December sales have been a little light. Flowers have been abundant and of good quality. The supply for Christmas will be good. Weather on the whole has been favorable for a good cut and as prices will range considerably lower than heretofore we look for an increased trade.

Sales of greens are progressing lively and there will hardly be enough to go round. Holly is very fine this year. Lycopodium is scarce but of exceptionally fine quality. Wreathing sells at 6 to 10 cents per yard and is in good demand at that price.

The Florists' meeting held on the 12th was well attended and proved very interesting the subject for discussion being the carnation.

L. L. May & Co. have an elaborate decoration this week at the opening of the new newspaper row.

The finest violets of the season are now being brought in. Some belated 'mums in fine shape are also coming in. FELIX.

### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—As assistant in florist establishment; several years' experience. Not afraid of work. Address GEO. MAIN, Gloversville, N. Y.

**SITUATION WANTED**—By first-class grower of cut flowers and plants, well up in all branches of business. Illinois or Missouri preferred. References. A B C, care American Florist, Chicago.

**WANTED**—Competent man to take charge of section of houses. Good wages to right man. WITFOR BROS., Highridge, Ills.

**WANTED**—A florist and gardener. State experience and wages wanted. Send references. I. L. PILLSBURY, Galesburg, Ill.

**WANTED**—To buy for cash, good second-hand boiler and pipes (or boiler alone) for a house 60x16 feet. F. L. TEMPLE, Langham Hotel, Boston, Mass.

**WANTED**—Mr. Geo. Norton, florist, formerly of Fairport, N. Y., to send his address to AMERICAN FLORIST office, as he will hear of something to his advantage.

**WANTED**—A florist; young man with \$200 to \$300 preferred; to take entire charge of a good retail florist business in a good Illinois town. Good wages or an interest in the business. Address FLORIST, Tuscola, Ill.

**WANTED**—A No. 1 rose grower as foreman of large commercial place. Must be experienced. Liberal salary paid. Only man of experience and first-class references need apply. Must be good manager. Address JNO. DICK, JR., 250 South 11th St., Philadelphia, Pa.

**WANTED**—A first-class man, one who can work and capable to take charge of houses and look after business. Must be good grower of carnations, 'mums, palms, etc. One who understands taking care boiler, etc. Also, he must be a first-class design maker and decorator. To such I have a permanent position and good wages. None others need apply. Address CENTRAL, care American Florist.

**FOR SALE**—3-acre farm, 12 greenhouses, stocked with carnations and violets. Large house and barn. Part of the purchase money may remain in property. Possession given at once. Address I. LARKIN, Touhkenamon, Pa.

**FOR SALE**—Two greenhouses, connected each 18x50, potting shed and sleeping room; stocked with carnations, violets, chrysanthemums, lilies and a general assortment. Hot water. Southern Wisconsin; city of 7,000. No competition. Other business. A Y Z, care American Florist, Chicago.

**FOR SALE**—Old established florist business in good condition, 7000 feet of glass, 4 acres land, well stocked with roses, carnations, violets, and general stock, in eastern Connecticut. Would like to go into other business. For particulars address E & H, care American Florist, Chicago.

## CLEMATIS,

Strong one year, mostly Jackmanni, potted up now will make fine blooming plants for spring sales. \$2.00 per dozen; \$15.00 per 100.

F. A. BALLER, Bloomington, Ill.



## A SALE AT LAST

Of goods you are wanting, and at prices to suit you.

**RATTAN FIBER MATS, 6x6 FEET.**

Something new and indestructible, each \$2.

**STRAW MATS, 6x6 FEET.**

Made from selected rye straw and tied with tar rope, \$1.50 each; \$15.00 per dozen.

**WOOD PRESERVING PAINT.**

Warranted to keep out rain or snow, gal. \$1.25  
Thermometers, japanned, 8-in. 15c; 10-in. 20c.  
Gishurst Compound, sure death to all insect life, pound box 40c.

**WM. ELLIOTT & SONS,**

54 & 56 Dey Street, NEW YORK.

## ASTER SEED.

Having cleaned the seed of my celebrated strain of Asters, undoubtedly the best strain for florists' cut flowers; excellent for indoor growing in summer, each plant producing from one dozen to four dozen flowers, from 3 to 6 inches in diameter, on stems from 18 to 24 inches in length:

**SEMPLE'S WHITE**, a pure white.  
**MISS MARY J. SEMPLE**, shell pink.  
and a few light lavender.

For sale in any quantity by the grower. The Trade supplied at special rates.

**JAMES SEMPLE, Box 2, BELLEVUE, Allegheny Co., PA.**

## NORTHROP, BRASLAN, GOODWIN CO.

Being **GROWERS** we are in a position to supply **Seeds of First-Class Quality** and to make **specially low prices**. A trial will convince those who have not yet found this out.

**NORTHROP, BRASLAN, GOODWIN CO.**

20 to 28 Hennepin Ave., MINNEAPOLIS, MINN.

55, 57 & 59 N. Jefferson St., CHICAGO.

## THE BROWN BAG-FILLING MACHINE

Puts up seed in packets, takes all sizes of bags, gauges all quantities of seed from an ounce to a grain, seals up the bag, and runs three thousand per hour. Illustrated Circular on application.

**THE BROWN BAG-FILLING MACHINE CO., Fitchburg, Mass.**

Mention American Florist.



**TRY DREER'S**

**GARDEN SEEDS,**  
Plants, Bulbs & Requisites.  
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

**HENRY A. DREER,**  
Philadelphia, Pa.

When writing mention the American Florist.

## Plant Auction.

**SALES EVERY TUESDAY AND FRIDAY THROUGHOUT THE SEASON.**

**A. & F. RÖLKER, Auctioneers,**  
106 Liberty Street, NEW YORK.

**W. A. MANDA,**

MERCHANT, GROWER, IMPORTER & EXPORTER OF

**FLORISTS'**

**Plants, Seeds and Bulbs.**

**NOVELTIES A SPECIALTY.**

The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

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**\$2.00,**

In either stiff or flexible cover.

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**WE ARE HEADQUARTERS ON**  
**BULBS FOR FORCING,**  
**FLOWER SEEDS FOR FLORISTS**  
**ENGLISH MUSHROOM SPAWN.**

Special prices on application.

**JOHN GARDINER & CO., Seedsmen,**  
631 Market St., Philadelphia, Pa.

**1,500 TUBEROSES,** 3-4 inches, for \$4.50.

**CALADIUM ESCULENTUM,** Per 100  
3-4 inches . . . . . \$5 00  
4-5 inches . . . . . 7 00  
5-6 inches . . . . . 9 00

**C. H. JOOSTEN, 36 Dey Street, New York.**

## WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus

AND

**LILIUM HARRISII.**

Special low prices on application.

**WEEBER & DON,**

Seed Merchants and Growers,

114 Chambers St., NEW YORK CITY.

## PANSY SEED.

**THE JENNINGS STRAIN OF FINEST**

**AMERICAN CROWN PANSIES,**

In pkt. of 2500 seeds \$1.00, very finest mixed, all colors.

Large flowering plants all sold.

**E. B. JENNINGS, Pansy Grower,**  
Lock Box 251, Southport, Conn.

## Cyclamen Giganteum.

Now is the time to sow. New crop of Seed has just arrived in fine condition from the largest Cyclamen grower in Europe.

100 seeds 1000 seeds  
Giganteum Album, white. . . . . \$1.00 \$9.00  
" Rabrum, red. . . . . 1.00 9.00  
" Roseum, pink. . . . . 1.00 9.00  
" Mixed, all colors. . . . . 1.00 8.50

## Verbena Seed.

New crop just received—grown for us by a specialist. Seed saved from MAMMOTH flowers only, and of strictly the brightest and most salable colors, all with large distinct eyes. NOW is the time to sow seed if you wish strong plants **FREE FROM RUST.**

**CHOICEST mixed,** per oz. \$3.00; per ¼ oz. 50c.

**SMILAX SEED, New Crop, 40c. per oz.**

Send for our Wholesale Price List, now ready, for a full list of Fresh Flower Seeds.

**CANE STAKES,** 6 to 9 feet long; extra fine quality. \$5 per 1000; 500 for \$3

**HENRY F. MICHELL,**

1018 Market Street, PHILADELPHIA, PA.

## Complete Catalogue

OF

**Fruit Tree Stocks, Ornamental Trees, Shrubs, Evergreens, Roses, Etc.**

Grown by

**P. SEBIRE & SONS,**

**USSY, (Calvados), FRANCE,**

will be mailed on application to their sole Agents,

**C. C. ABEL & CO.,**

**P. O. Box 920. NEW YORK.**

Mention American Florist.

300 Acres in Nursery.

1 Acre of Glass.

## Specialties for Florists.

Per 100  
**Cardenias**, bushy, 15 to 18 inches. . . . . \$12.00  
**Crevillea**, 12, 18 and 24 inches. . . . . \$6.00, \$8.00 & 15.00  
**Eugenia Jambos**, 12-15 inches. . . . . 12.00  
**Ganador**, 15-18 & 36-40 inches. . . . . \$5.00 & 25.00  
**Guava Red Cattley**, 15-20 inches. . . . . 12.00  
**Magnolia Fuscata**, 8, 15 & 20 in. . . . . \$12, \$15 & 25.00  
**Olea Fragnans**, 6, 10 & 20-15 in. . . . . \$8, \$12 & 20.00  
**Oranges & Lemons**, grafted on dwarf stock, blooming size, stocky, 10-12 & 15-18 in. . . . . \$25 & 40.00  
**Otaheite Orange**, bushy, 10 & 12-15 in. . . . . \$8 & 15.00  
Stock of above all **pot-grown**, ready now to ship, and in best possible condition.

**FIELD-CROWN ROSES**, including 104 (M. Niel, budded; Fruit and Ornamental Trees, Rare Conifers, etc. Send for Trade List and Descriptive Catalogue.

**P. J. BERCKMANS,**

Fruiland Nurseries, AUGUSTA, GA.

## ORCHIDS OUR SPECIALTY.

**THE FINEST STOCK AND SELECTION IN THE WORLD.**

New and Rare Plants for the Stove, Greenhouse and Conservatory.

**SANDER, & Bruges, Belgium.**

A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106 and 108 Liberty Street, New York City  
Send for illustrated catalogue.

## FERN SPORES.

H. B. MAY offers the above in about 200 of the best and most useful varieties. All spores carefully saved from own stock, which is the largest in the trade.

Priced List on application.

**H. B. MAY, Dyson's Lane Nurseries,**

Edmonton, London, England.

Per 100  
**ORACAENA INDIVISA**, 3½, ready for 5 & 6. . . . . \$6.00  
**ADIANTUM GRACILLIMUM**, 2½-inch. . . . . 2.50  
**HYORANGAEA OTAKSA** and **THOS. HOGG**, 2½-in. . . . . 3.00  
**BEGONIA METALLICA**, 3½-inch. . . . . 5.00  
**ROOTED CUTTINGS** of all general stock. . . . . 1.00  
**HELIOTROPE**—New Dwarf, 2½-inch pots. . . . . 5.00  
**TUBEROSES**—Pearl, 3 to 5 inches, \$4.00 per 1000.

**THE OAKS GREENHOUSE CO.,**

Wholesale Florists, Jackson, Mich.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.



## Janesville, Wis.

Formerly this city was not as well equipped in the floral line as a place of its size should be, but this state of affairs is now passing away, and good things sell when placed before the people. Long & Hodson, a firm on the west side, has been in the business for some time, and the two ladies who constitute the partnership have adapted themselves to surrounding circumstances so well as to gain the confidence of a large number of citizens. Their three greenhouses are well cared for, and their trade is improving through their care and the efficiency of their service. They have conducted a very creditable flower show this fall, in co-operation with a church society, using their greenhouse and dwelling for display. Their single stem plants were very fine, and the success of this enterprise will no doubt result in a greater undertaking another year.

Rentschler Bros. are situated on the east side, two young men, full of energy. They succeeded Walter Helms, moving and remodeling the entire plant. They have fitted up a nice show house for palms and fancy plants, and have a good stock. Their improvements have been quite extensive. With the enterprise of these two firms Janesville is sure to become a good flower town. Z.

## A Foreign Walking Trip.

Mr. Matthias Gebhardt, formerly engaged at several American places, has been on a seven months walking trip through Europe and now writes us from St. Petersburg. From Paris he walked over the northern part of Germany, from Hamburg through Schleswig-Holstein and the Danish Islands to Sweden, then along the coast north till he reached Christiania, the capital of Norway. He writes that much may be learned from the gardeners of Scandinavia who secure such satisfactory results in the face of many climatic difficulties. From Sweden he passed to Finland, and in Helsingfors, its capital, found several large rose growing establishments, much to his surprise. He then walked on to St. Petersburg and was amazed at the extension of cut flower growing there.

He says: "The Russians nearly beat the Americans. The rose houses are almost exactly like those in America, and the old growers claim to have used the raised bench system for many years. I am now employed at Eller's nursery where over 100 houses are devoted to the growing of cut flowers, and the entire product is disposed of at six stores in the city controlled by the concern, in the best parts of the capital."

## New Durham, N. J.

Mr. M. Hansen is having a large sale of his new pink Ivory chrysanthemum, Miss Agnes Louise Dalskov. This variety is a prime acquisition, and has been certified by the Chrysanthemum Society. Certificates were also awarded to it at the Springfield, Mass. exhibition and that of the North Hudson County Florists' Club.

## Palms &amp; Ferns.

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 4 & 5-inch \$3.50, 20 for \$8; 6-in. for \$5. All good selected varieties. Special sale: Choice FERNS, \$5.00 and \$6.00.

ROSES AND GERANIUMS, LABELS, MOSS, ETC.

WILLIAMS & SONS CO., Batavia, Ill.  
Mention American Florist.



## HERMOSA ROSES.

FIRST SIZE ..... per 100, \$5.00; per 1000, \$45.00  
SECOND SIZE ..... per 10 7.00; per 100, 69.00  
HOLLAND CROWN, 2 year, strong ..... per 100, 10.00



## H. P. ROSES, 2 YEAR (Budded).

All Leading Varieties, ..... per 100, \$10.00  
CLOTHILDE SOUPERT, 8 to 12-inch, strong ..... per 100, 10.00



## CLEMATIS (Jackmanni and type).

Holland grown, 2 year ..... 12 for \$3.75; per 100, \$27.50  
Holland grown, 3 year ..... 12 for 4.80; per 101, 38.00

HYDRANCEA P. Cr., 4 feet, strong ..... 12 for 1.50; per 100, 10.00



## VAUGHAN'S SEED STORE, 84 &amp; 86 RANDOLPH STREET, CHICAGO.

## 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

## NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

CLAY'S FERTILIZER  
A Highly Concentrated Plant Food.

Used by the leading growers all over the world. Unsurpassed for Roses, Chrysanthemums, and all horticultural purposes. Genuine only in sealed bags with makers trade mark. For sale in the U. S. by the undersigned in 112 lb. bags at \$6 per bag f. o. b. Phila. 12 lb. sample \$1. G. C. WATSON, 43 N. 10th St., Phila.

ROSES <  
H. P. LOW BUDDED.

LILAC Marie Legraye, pot-grown.

DEUTZIA GRACILIS, pot-grown.

AZALEA MOLLIS, dwarf and standard.

ACACIA PARADOXIA, nice plants

ERICA GRACILIS, strong plants.

Clematis, Kalmia, Rhododendron, Snowball, and other nursery stock.

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## CHOICE SEEDS.

PETUNIA GRAND. FIM. PL. PL

The largest and finest strain of double fringed and mottled Petunias to be had. All who see these Petunias say they are finest they ever saw. Extra.

## VERBENA GRANDIFLORA.

An exceedingly fine collection of Giant flowering varieties; flowers one inch in diameter of the most showy colors. My customers write that this is the finest strain of Verbenas they can get; requires no better evidence of superiority. Every florist should sow of it.

## CYCLAMEN GIGANTEUM.

A magnificent collection of the finest giant flowering varieties; largest flowers and best colors.

Each, per trade pkt., 25c.; 3 pkts., 70c.; 6 pkts., \$1.00. I will here thank my florist friends for the many letters of commendation received during the past year.

JOHN F. RUPP, Shiremanstown, Pa.

## Bulbous Begonias.

LAING'S STRAIN. In separate colors.

Lilium Longiflorum, Tuberoses, Spiraes, etc. Now on hand.

Ask for prices.

HULSEBOSCH BROS., Englewood, N. J.

We are now offering a fine lot of

## DRACÆNAS

in the best sizes and varieties, at very low prices. List on application.

PITCHER & MANDA, Short Hills, N. J.

## FANCY CALADIUMS at half price.

2½-inch pot bulbs, ..... \$5.00 per 100

4 inch ..... \$10 per 100 upwards

Open ground bulbs, ..... \$10 per 100 upwards

Finer bulbs cannot be seen in the world.

Cape Jasmine, 2½-inch pots, ..... \$3.00 per 100

Cyperus ..... 80, 100 and 120 each

Address F. J. ULBRICHT, Florist,

L. B. 655. ANNISTON, ALA.

## Seeds.

## The Choicest Florists' Strains

quoted in our New Trade List, now in printers' hands, and mailed free to applicants.

## August Rölker &amp; Sons

136-138 W. 24th St., New York.

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address GEORGE WITTBOLD,  
1708 N. Halsted St., CHICAGO

## SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.  
CARNATIONS, for fall delivery.  
CHRYSANTHEMUMS.  
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VIOLETS.

Prices low. Send for list.  
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## Pansies Worth Raising.

Good medium sized plants from frames, \$5.00 per 1000. All others inaccessible at present. Cash with order.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.  
Near West Side Ave. Depot of Newark & N. Y. R. R.

## Wanted.

100 PIN OAKS, 8 to 12 feet.

100 WHITE OAKS, 8 to 10 feet.

ANDORRA NURSERIES,

WM. WARNER HARPER, CHESTNUT HILL,  
Manager, PHILAD'A, PA.

# PALM SEEDS

We are now booking orders for the following Palm Seeds which we expect in the course of the next month, and repeat that we guarantee full germinating power and replace seeds non-germinating.

	Per 1000	Per 5000	Per 10,000
Cocos Weddelliana...	\$12.00	\$55.00	\$100.00
Areca lutescens...	10.00	47.50	90.00
Areca rubra...	10.00	47.50	90.00
Geonoma gracilis...	12.00	55.00	100.00
Geonoma Scholteana...	15.00	65.00	120.00
Lantana borbonica...	2.75	12.00	20.00

Send your order at once if you wish to receive first-class seeds

On hand in excellent condition:

	Per 100	Per 1000
Corypha (Livistona) australis...	\$ .75	\$5.00
Phoenix tenuis...	.60	4.00

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**ROSES**—White Rambler, Golden Rambler, New Climbing Meteor and Caroline Pillar.

**CRIMSON RAMBLER**—\$6.00 per 100. Field grown. \$5.00 per 100. Extra fine plants. 3 to 5 feet high. \$25 per 100. Other roses at low prices. Send for list.

**SPIRÆA ANTHONY WATERER**—The Crimson Spiræa. The Ideal Pot Plant for Florists. Introduced last year at \$2.00 per plant, our price to-day \$3.00 per 100.

**BULBS**—Chinese Sacred Lilies, \$4.00 per 100. Lilium Candidum, fine bulbs, \$2.00 per 100. L. Longiflorum, \$2.00 per 100. L. Speciosum Album, \$5.00 per 100. L. Spec. Rubrum, \$5.00 per 100. L. Auratum, \$3.00 per 100. All other bulbs.

**CANNAS**—12 New Cannas, our own raising, \$6.00, warranted satisfactory or money refunded. Crozy's Cannas of 34 sorts each set of 20, \$3.00. 50 named cannas, 50 sorts for \$5. French Cannas, \$12 per 100.

**DAHLIAS**—All the latest introductions. Mrs. Pearl the white Cactus Dahlia, \$10 per 100. Nymphaea, the pink cut flower Dahlia, \$7 per 100. Mixed Dahlias, \$4 per 100.

**IMPERIAL MORNING GLORIES**—Double and single flowers, 6 inches. Seed, \$5, \$10, \$20 and \$40 per pound.

**FANCY FLOWER POTS and JARDINIÈRES**—Largest assortment in the country. Send for catalogue.

A. BLANC & CO.,  
PHILADELPHIA, PA.

## CARNATIONS, ROOTED CUTTINGS

ALASKA, the coming white.  
PEACHBLOW, fine pink.

And all other new and standard varieties.

Please let us know how many and what kinds you want, and we will give you lowest cash prices. All our plants are warranted to be perfectly clean and healthy, and well rooted. Ready now.

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Cut Blooms at Wholesale.

FIELD PLANTS and ROOTED CUTTINGS  
IN SEASON.

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The Pines. KENNETT SQUARE, Chester Co., PA.

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Rooted Cuttings ready April 1st, '96, \$5.00 per 100, and \$45.00 per 1000.

Book your orders early and be sure that you will get them. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

Peter Fisher, ELLIS, MASS.

NEW AND TESTED

## CARNATIONS.

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## Carnation Grower

ALPLAUS, N. Y.

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250,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

## ONE THOUSAND CAR LOTS of OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

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42nd YEAR. 1000 ACRES. 29 GREENHOUSES.

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### CARNATIONS.

## LAST CALL FOR GERANIUMS.

5000 Double GEN'L GRANT..... } \$2.00 per 100; \$15.00 per 1000.  
3000 " LA FAVORITE..... }  
Strong, well-rooted cuttings ready for prompt shipment. All others sold out.

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SCOTT, MCGOWAN, METEOR, BRIDESMAID, and other sorts now in and ready for shipment. Clean stock and fair prices. Send for December Trade List.

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### CANNAS.

## HERR'S CARNATIONS.

ROOTED CUTTINGS that will give good results, because they come from healthy stock, and will be well rooted when sent out.

VARIETIES—McGowan, Mrs. Fisher, Daybreak, Scott, Aurora, Sweetbrier, Rose Queen, Peachblow, Dorner, Stuart, Portia, Buttercup, Keller, Iago, Cartledge, Tidal Wave, and all novelties.

Don't place your order before writing to me, no matter if it's a hundred or a hundred thousand, I can fill it.

L. B. 496. ALBERT M. HERR, LANCASTER, PA.

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Stood the test of the sharpest competition of the crack growers of Seedling Carnations of the West, and secured 88½ points, against all light pinks; being the highest points and the only light pink Carnation granted a Certificate of Merit at the Florists' Club Carnation Exhibit at Cincinnati.

COME AND SEE THEM.

ONE HUNDRED DOLLARS in Cash Premiums offered for the best 50 blooms of DELLA FOX in the fall of 1896.

Myers & Samtman,

WYNDMOOR,

Chestnut Hill, PHILADELPHIA, PA.

Mention American Florist.

## CHINESE PRIMROSES,

in bud and bloom. 4-in pots at 6 cts.

## CARNATIONS, ROOTED CUTTINGS.

McGowan, Scott, Mrs. Fisher and Rose Queen. Ready January 10th.

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## CARNATIONS A SPECIALTY.

Rooted Cuttings. Young Plants. Field Grown Plants in season. Write for prices.

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The two leading varieties

## Alaska and Minnie Cook.

Buy from the originator and procure genuine stock. CUTTINGS NOW READY.

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ROSE QUEEN, DAYBREAK, WM. SCOTT, VAN LEEUWEN, TIDAL WAVE, Etc.

Write for price list.

McGORNAC & CO., Paterson, N. J.

Successors to H. E. CHITTY.

## Eldorado, Kitty Clover

The best YELLOW CARNATIONS to grow for profit. ROOTED CUTTINGS now ready, @ \$5.00 per 100. Also 30,000 strong rooted cuttings of suitable kinds for summer bloom.

LADY CAMPBELL VIOLETS, rooted runners, @ \$1.00 per 100; \$8.00 per 1000.

W. R. SHELBAIRE,  
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## CARNATIONS, Strong Plants in Cold Frames.

E. G. HILL, PORTIA, FRED. DORNER, EDNA CRAIG, MME. ALBERTINI, WM. SCOTT, MRS. HITT, \$5.00 per 100.

All other kinds sold.

Terms, cash with order.

JOSEPH HEINL, Jacksonville, Ill.

## DOUBLE PETUNIAS.

In 10 varieties, \$1.25 per 100 by mail. Orders booked now for Rooted VERBENA CUTTINGS, 20 vars., \$5.50 per 1000, express prepaid.

C. HUMFELD, Clay Center, Kan.

Syracuse, N. Y.

Trade during the past week has been very brisk indeed. Besides large social events calling for many flowers, there has been a large demand for funeral pieces; one firm had \$400 worth at one time—not bad for a small place like this. During the past week the weather has been very cold, 10° below zero several times. The days have been bright, which has helped quite a little in getting flowers out. The outlook for Xmas trade is most bright and encouraging. Mr. A. D. Perry started on the 10th for his annual trip south. He will spend ten days at Atlanta taking in the Exposition, and will then go to Florida, where he will stay till April.

A local heating engineer promises a revolution in heating by hot water. He has placed heating apparatus in a 16-room house, and claims he can heat the whole place for the winter with 3 tons of pea coal. The result will be looked for with interest.

Paris green and oatmeal on pieces of broken pots placed on the beds is the means employed to get rid of slugs and snails at P. R. Quinlan & Co.'s establishment. Mr. Bard, who has charge, finds this a sure way to clear out these pests. I have never seen better violets than a houseful here this season. Bob Bard has clearly demonstrated that he can grow violets as successfully as roses. H. Y.

South Bethlehem, Pa.

Thanks to the generosity of Mr. E. P. Wilbur, this town was treated to a free chrysanthemum show. Much credit is also due to Mr. Mathew Pottfield, Mr. Wilbur's gardener, who did all in his power to make the show a complete success. The greenhouses were elaborately decorated for the occasion, no efforts having been spared to make the event a memorable one.

Florist Topfer showed me among other things a Marechal Niel rose bush that yielded him last Easter over a thousand buds. He expects to cut between 700 and 800 buds during Christmas week. Mr. Topfer is a successful all around grower. X.

Lynn, Mass.

The florists and gardeners of this city have formed a club, and are fitting up a club room, in which they will meet every fortnight. The club has started with a membership of 35. The officers are as follows: President, John Tapper; vice-president, F. A. Smith; treasurer, Wm. Stone; librarian, W. B. Newhall; secretary, J. L. M. Miller. They expect to increase the membership to fifty before the end of three months. W. D. McFoot.

AZALEAS, Sander, Bruges, Belgium.  
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ARAUCARIAS, Sander, Bruges, Belgium.  
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500,000 Bulbs of our Noted Strain for Sale.

PALMS, AZALEAS, FICUS, ARAUCARIAS, SWEET  
BAYS, DUTCH BULBS, LILYUMS, ETC.

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**TOEFFAERT & GEE,** GENDRUGGE les GAND  
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And 36 Catharine St., Liverpool, England.

A1 Quality, Small Plants, Perfect Packing, Prompt  
Attention, Low Freight.

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## Found at Last! The Long Sought PINK IVORY

(MISS AGNES L. DALSKOV.)

A peerless jewel among Chrysanthemums. A sport from Ivory; a better keeper and of somewhat stronger growth, otherwise identical with the parent, except in color, which is a beautiful shell pink. The blooms have had a phenomenal sale in the New York market during the present season. Stock plants are now offered at the following prices:

PER DOZEN, \$22.00. SINGLE PLANT, \$2.00. Cash with order.

**M. HANSEN, New Durham, N. J.**

## TWO BEAUTIFUL NEW CHRYSANTHEMUMS

GRETCHEN BUETTNER.

A large, beautiful white of great depth; distinct in color and form. Strong stem and fine foliage. 3½ feet. Certificate of Merit Horticultural Society, Chicago. First Class Certificate N. C. S. (See AM. FLORIST, Nov. 16)

\$5.00 PER DOZEN; \$35.00 PER 100.

READY MARCH 1, 1896.

**E. BUETTNER, Park Ridge, Ill.**

MRS. E. BUETTNER.

A beautiful clear yellow reflexed flower, in form like Morel, with excellent stem and foliage. Late. 3½ feet.

First Class Certificate N. C. S.

\$4.00 PER DOZEN; \$25.00 PER 100.

ORDERS BOOKED NOW.

## EARLIEST LARGE FLOWERING CHRYSANTHEMUMS

MARQUIS DE MONTMORT,

Much in the way of Vivand-Morel. Ready to cut Sept. 29th, 1895. Stock plants 50 cts. each; \$5.00 per dozen.

NEMESIS, MISS M. M. JOHNSON, J. H. TROY, PARKER, Jr., 50 cents each; \$5.00 per dozen. MARION HENDERSON, MAJOR BONNAFFON, MADAME F. BERGMANN, YELLOW QUEEN, and all the staple varieties, 25 cents each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

**DAILLEDOUZE BROTHERS, Flatbush, N. Y.**

When writing mention the American Florist.

## New Extra DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20 varieties, for only \$2 by mail.

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Lock Box 77,  
UPPER SANDUSKY, OHIO.

## CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery from March 1st. Cultivated Cycas always on hand, rooted and well established, at low prices.

Lil. Auratum, Spec. Rubrum and Album, Etc.  
Iris Kämpferi, in 100 choice varieties.  
Japanese Maples, in best varieties.  
Camellias, Pæonies, Tree Ferns, Rhaps, Etc.  
Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

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## CHRYSANTHEMUMS.

Golden Wedding, yellow, Queen,  
E. Dailedouze, Niveus,  
Major Bonn Hon, M. Wanamaker,  
Yellow Queen, Mrs. Jerome Jones,  
Challenge, Erolinda pink,  
Minerva, Pres. Smith,  
W. H. Lincoln, Harry Baisley,  
Mrs. Whildin, V. H. Hallock,  
Ivory, white, Vivand-Morel,  
Mme. F. Burgmann, Geo. W. Childs,  
Domination, Marie Louise,  
Tuxedo, and others,

25 cts. each; \$2.50 per doz.

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ROOTED CUTTINGS.

Most approved bedding sorts, largely Semi-Double and Single scarlets. Double and Single white, pink, salmon, dark crimson and a variety of other choice colors.

Price in assortment, \$12.00 per 1000 labelled. \$10.00 per 1000, or \$1.50 per 100 not labelled. Herr's Pansies. A strain right up to the top notch of perfection, 75c. per 100; \$5.00 per 1000. Stock grown by Daniel K. Herr.

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All the best new and old varieties.

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**EDWIN LONSDALE,**

Chestnut Hill, Philadelphia.

## CHRYSANTHEMUMS.

80 New Varieties, including

Miss M. M. Johnson, J. E. Lager, Philadelphia. Minerva, Marie Louise, J. H. Troy, Mrs. Henry Robinson, Sunrise, Miss G. Pitcher, John Shrimpton, Royal Windsor, Mrs. S. T. Murdock, H. W. Rleman, Miss F. Pullman and Zullinda. Fifteen plants for \$1. Send for catalogue. Address

**M. B. LITTLE, Glens Falls, N. Y.**  
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**been asked** how the new sort XX tobacco stems can be any better than the old kind? Can't say; but one kind grows one part country, tother kind another part; seems to make a big difference though. 75 cts. 100 lbs. old kind, \$1.00 100 lbs. new XX sort (both 500 lbs. in bale). Sell more 75c. kind cause cheap; they are a pretty slick article I guess. If you live nearer Chicago than N. Y. City say where. Can't tell! I may pay the freight. If you want a **BIG BBL. FULL** of awful strong Tobacco Dust for \$4.00; I've got it.

H. A. Stoothoff, 331 Madison Ave.,  
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## XMAS



AND  
**THE HOLIDAYS**  
without Kelsey's **RICHLy**  
**COLORED** Southern  
(Green and Bronze)

### Galax Leaves,

has become what it always was minus **Holly** and **Mistletoe**—"A Haythen Chinese

affair." (Xmas is coming, won't wait: do you see the point?)

700 by mail (paid), \$1.00.  
Euclose 5000 assorted, Frt. or Exp. with 25  
Cash. sprays (with information) **FREE**, to any Florist,  
Leucothoe, \$3.75.

#### SPECIAL LOW EXPRESS RATES.

**BETTER STILL**, 50 Brilliant Galax and a few  
sprays (with information) **FREE**, to any Florist,  
who asks.

Ask of the **Introducer**,  
**Highlands Nursery, KAWANA, N. C.**  
Mention American Florist.

#### HERE YOU ARE!

Well we got them, but not the Jim-jams. It is Geraniums, flowering sorts and other kinds, grown in flats. Flowering sorts, best kinds at \$15 per 1000; \$1.75 per 100  
Rose Geraniums..... 20 " 2.25 "  
Mme. Sallerot..... 15 " 1.75 "

**ROOTED CUTTINGS.** Per 100  
Alternanthera, red and yellow..... \$6.00 per 1000; \$ .75  
Cuphea platycentra (Cigar plant)..... 1.50  
Double Golden Marguerite..... 1.50  
Peperew Little Gem..... 1.50  
Fuchsias, double and single..... 2.00  
Salvia splendens..... 1.25  
Double Petunia..... 2.00  
Cash with the order. Selection to remain with us.

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**BOUQUET GREEN.** For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.  
**SPHAGNUM MOSS** a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.**



## Merry Christmas

TO ALL, AND THANKS

to our friends for their liberal patronage; we trust the New Year will bring many an occasion for the renewal of the same.

With the Compliments of the Season,

Yours truly,

**August Rölker & Sons,**

New York, Dec. 21st, 1895.

## Florists' Supplies,

Useful for store and greenhouse work. Contained in our new Wholesale Catalogue for 1896, issued this fall. If you have not received a copy, send for one with your business card. We sell at wholesale only.

Address **August Rölker & Sons,**  
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### COMPLETE LINE OF SUPPLIES

#### WIRE WORK

WE MAKE IT

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ALWAYS ON HAND

FINE STOCK

OF CUT FLOWERS

ELLIS & POLLWORTH

MILWAUKEE WIS.

#### WANTED TO EXCHANGE.

We offer fine plants of any of the following in exchange for equal number of rooted cuttings of Rubra Begonia, Strobilanthes Dyerianus (the new foliage plant), Washingtonia Filifera Palms, Grevillea Robusta (Aus. Silk Oak), or Hypericum Moserianum (the new hardy shrub). Write how many you want in exchange as above, or at \$5.00 per 100, cash.

L. TEMPLIN & SON, Calla, O.

## EVERGREEN CUT FERNS

ESPECIALLY FOR FLORIST'S USE.

**\$1.25 PER THOUSAND FERNS.**

IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns furnished the year round. Special attention given to supplying the Wholesale Trade.

Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.**

SEND  
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FOR  
NEW  
DIRECTORY  
NOW.

## XMAS.

VERMONT GREENS, per bbl. \$2 50.

HOLLY (Genuine Delaware), well berried, per case \$5.00.

MISTLETOE (Imported), per lb. 35c.

SPHAGNUM MOSS, per bbl. \$1 00.

**HERRMANN'S SEED STORE,**

413 E. 34TH STREET,

Near Long Island Ferry, **NEW YORK.**

### CHRISTMAS DECORATIONS

Holly in Wreaths and Branches.

LAUREL & GREEN FESTOONING.

\* Mistletoe \*

Xmas Trees, Pop Corn, Etc.

**J. CHAS. McCULLOUGH,**

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32 W. Court Street, Between Vine and Race.

CINCINNATI, OHIO.

### BRILLIANT GREEN AND BRONZE

## GALAX LEAVES.

LARGE AND SMALL SIZES.

FINEST QUALITY, PERFECTLY PACKED.

SPECIAL EXPRESS RATES.

LEADING WHOLESALE FLORISTS, or Free

Sample and prices of

**CHAS. H. RICKSECKER,**  
LINVILLE, Mitchell Co., N. C.

When writing to any of the advertisers on this page please mention the American Florist.



## News Notes.

EAST MILTON, MASS.—W. C. Ward has added one house 20x100 feet.

BANGOR, MICH.—Jerome Bigelow has started in the nursery business here.

COLDWATER, MICH.—DeVogt & Bro. have added 500 feet of glass, heated with steam.

DELAWARE, O.—Miss Ida Newell, the florist, has made an assignment. Mr. N. F. Overturf is the assignee.

HALIFAX, MASS.—W. E. Fullerton has just put in a twenty-five horse power horizontal steam boiler to his plant.

MUSKEGON, MICH.—C. L. Whitney has retired from business here, and the greenhouses formerly run by him have been torn down.

LAKE CITY, MINN.—The Jewell Nursery Co. has added about 800 feet of glass. The florist business of S. S. Workman, deceased, has been discontinued.

ANDERSON, IND.—A. F. J. Baur, who was with E. G. Hill & Co., of Richmond, Ind., for five years, is now in charge of Stuart & Haugh's new place here.

HUDSON, MICH.—C. H. Peck has added one new house 20x70, boiler house 18x40, and 40 horse power boiler. He reports business in general 25% better than last year, and an increase of 100% in chrysanthemums.

ALTOONA, PA.—Mr. Anton E. Wohler, landscape gardener to the Penna. R. R. Co., was married to Miss Martha Cherry, of this city, December 11. After the ceremony they left for a trip to Washington and other points in the east.

NEW HAVEN, CONN.—S. H. Moore & Co. have built a show conservatory in connection with their greenhouse, which has been stocked with palms and foliage plants. They report business as exceptionally good and prospects for the season very encouraging.

FLINT, MICH.—G. W. McIntyre has built two small houses, on Asylum street, heated by steam. He will start in business as a retail florist. Trade this winter is very good, the demand for roses is decreasing while the carnation is steadily growing in favor. Demand for chrysanthemums was good.

NORTH GRAFTON, MASS.—J. O. Nichols has added to his present range of glass one new house 18x70 feet, which is heated by hot water. It is filled with mixed carnations that are looking well. Chas. T. Newton and son-in-law, M. Frank Prentice, are preparing to build a house 20x100 feet for general florists' business. The foundation is partly in, but frost and a snow storm have delayed their proceedings for the present. Carnations in this vicinity are looking unusually well; flowers sell readily and are bringing better prices than last year at this time.

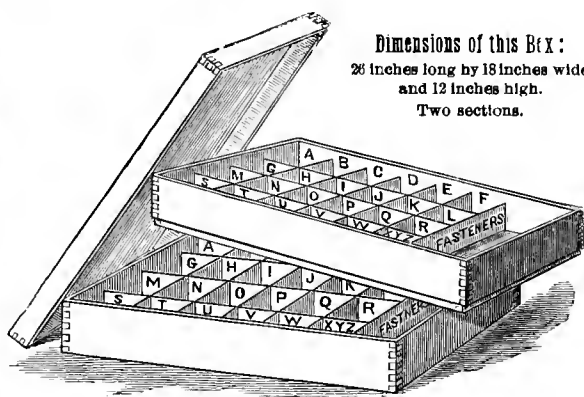
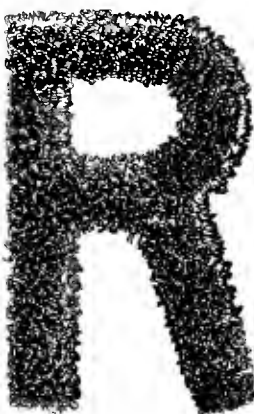
## BOXES! BOXES! BOXES!

Three-Piece Wood Mailing Boxes.

The neatest and strongest box in the market. Send 15 cents in stamps for sample nest. We also make Cut Flower and Express Boxes. Thin Lumber sawed to order for packing.

ADDRESS **W. E. SMITH,**  
KENTON, Hardin Co., O.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.



T - wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

## BOSTON FLORIST LETTER CO.

Manufacture the Best Letters in the Market.

Sizes 1½-in. and 2-in. 2.00 per 100. Patent fastener with each letter.

OUR NEW SCRIPT LETTER, \$4.00 per 100.

**N. F. MCCARTHY,** 13 GREEN ST.,  
Treas. & Mangr. Boston, Mass.  
Office, 84 Hawley Street.

We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers Boston.

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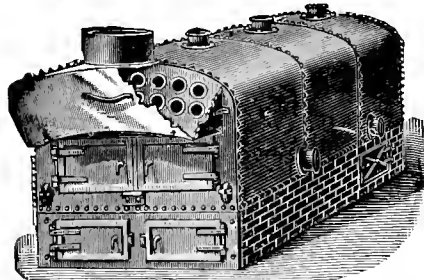
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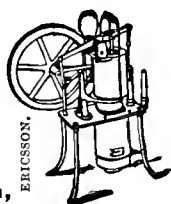
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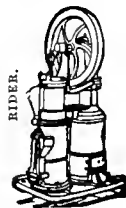
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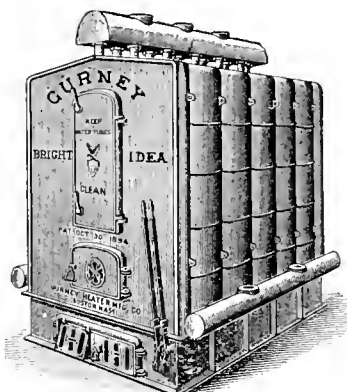
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Is this man working?

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The **ATOMIZER**  
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When you write to any of the ad-  
vertisers in this paper please say that  
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American Florist.

## News Notes.

FARIBAULT, MINN.—Clarin Bros. started in business here last summer; they put up three houses 11x75.

NO. STOUGHTON, MASS.—B. T. Washington has erected one house 75x25 with propagating house in rear 8x60.

MANISTEE, MICH.—Otto Baumann has added one rose house 50x18 and propagating house 50x10, making in all about 6,000 feet of glass. A. Miller has built one house 12x20.

YPSILANTI, MICH.—Frank Norton has recently started in business with a house 20x100 dimensions. He intends raising principally vegetables, house heated by hot water, at 741 Lowell street.

MINNEAPOLIS, MINN.—The Minnesota State Horticultural Society has elected officers as follows for 1896: J. M. Underwood, Lake City, Pres.; A. W. Latham, Minneapolis, Sec'y; F. G. Gould, Excelsior, Treas.

KANKAKEE, ILL.—At the 40th annual session of the Illinois State Horticultural Society, recently held here, the following officers were elected for 1896: T. E. Goodrich, Cobden, Pres.; H. M. Dunlap, Savoy, Sec'y; Arthur Bryant, Princeton, Treas.

READING, PA.—Two large weddings for which they had carte blanche orders have kept Messrs. Hoskins & Giles more than usually busy. The decorations were the most elaborate seen here for some time, and the local papers devoted columns of space to their description.

SIGOURNEY, IA.—At its recent session here the Southeastern Iowa Horticultural Society elected officers for the ensuing year as follows: C. L. Watrous, Des Moines, Pres.; F. O. Harrington, York Center, Vice-Pres.; Wesley Green, Davenport, Treas.; C. W. Burton, Cedar Rapids, Sec'y.

THE Indiana State Horticultural Society has elected officers for 1896 as follows: C. M. Hobbs of Bridgeport, president; E. Y. Teas of Irvington, Ernest Walker, New Albany, F. D. White, Connersville, and G. S. Newton, South Bend, vice-presidents; T. Troop, Purdue University, Lafayette, secretary; Isham Sedgwick, Richmond, treasurer; and L. B. Custer, Logansport, chairman executive committee.

DES MOINES, IA.—At the annual session of the Iowa State Horticultural Society the following officers were elected: Dr. F. M. Powell, Glenwood, Pres.; Geo. Van Houten, Bedford, Sec'y; W. M. Bomberger, Harlan, Treas. Of the \$1,500 appropriated annually by the state for the society it was agreed to place \$1,200 of this amount at the disposal of the experiment committee, to be used in experimenting with cross fertilizing and inspection of the experiment stations of the state, sixteen in number.

## FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

J. G. SWANN'S SONS, Minneapolis, Minn.

Always mention the American Florist when writing to advertisers.

## NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued in January, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

## AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

## Standard Flower Pots.

Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

A FULL LINE OF BULB PANS.

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Randolph Ave. and Union St., Jersey City, N. J.

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Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

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## Announcement to Florists.

We desire to announce the dissolution of the firm of Siple Doppf & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Doppf and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

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All Steel. No Coils or Cast Iron Sections.  
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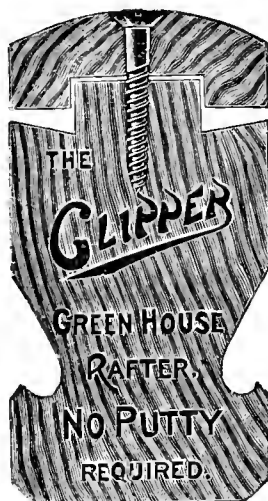
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**GREENHOUSE**  
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Send for our Illustrated Book  
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We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

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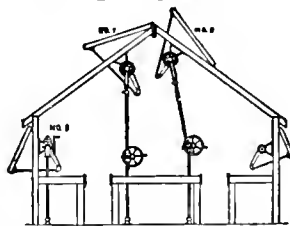
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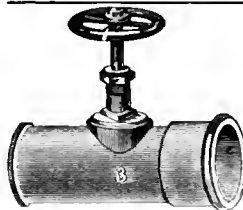
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LOCK THE DOOR BEFORE THE HORSE IS STOLEN  
DO IT NOW.

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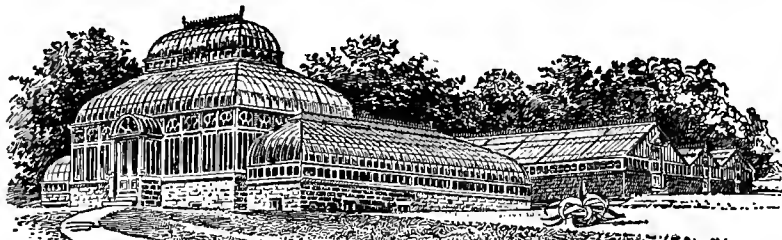
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ESTABLISHED 50 YEARS.

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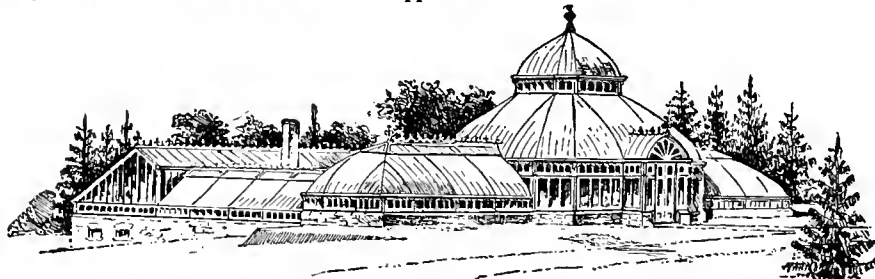
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And saves your health

And brings you perfect peace;

And its celebrated name

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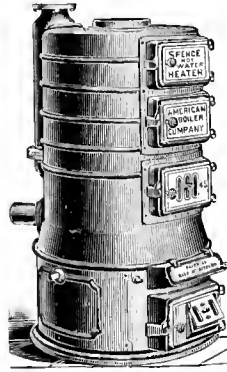
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American Boiler Company

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CHICAGO: 84 Lake St.

"We Heat the World."



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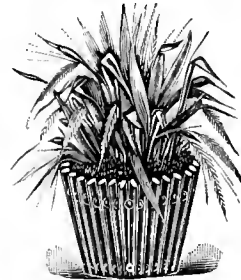
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# THE AMERICAN FLORIST



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Vol. XI.

CHICAGO AND NEW YORK, DECEMBER 28, 1895.

No. 395

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer.

OFFICERS ELECT.—WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The terms of the officers-elect begin January 1, 1896.

The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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MENDOTA, ILL.—Mr. H. Schweitzer has just recovered from a severe illness of eight weeks duration.

SEND advs. quick for our new trade directory and reference book.



### Carnation Notes.

The general complaint this year is the lateness of the carnations coming to their normal condition, caused by the dry season. The new disease edema, described by Dr. Arthur, the roots absorbing more water than the leaves can evaporate, and causing them to form water blisters on the leaves, which afterwards dry out and show dry spots, seems to be a natural consequence of a dry spell. Cramped leaves, short stems, imperfect small flowers, and to a great extent bacteria and spot can be attributed to the same cause. The sudden change from their impoverished condition to one of plenty, could not be overcome as quickly as we thought and wished for. Some varieties, as Scott, Daybreak, Meteor, Uncle John, commenced to bloom as early as usual, but showed the effects in short stems, cramped leaves, and imperfect small flowers; while Albertini, Bridesmaid and other varieties more of a low bushy growth are late. These varieties show more than ever before that good sized plants are essential for early blooming.

I have been watching with great interest the results of the different times of lifting on the plants. The greatest difference from former seasons is shown by Bridesmaid and Albertini with us. Last year at this time the first crop of Bridesmaid was cut; we had few left for the holidays. This year they have fairly commenced to bloom. I have to note very curious facts. I made different plantings to ascertain the right time of lifting to have a full crop for the holidays. Plants lifted the last week of August show the least buds and flowers, but have the thriftiest growth and bring the largest flowers on the strongest stems. Those lifted the 15th of September show more buds and flowers, with equally as thrifty growth, while those lifted the first week in October show a full crop of buds, the same as the last year's strong plants, lifted the first week in September, had shown by the beginning of November. The first batch was lifted from the dry soil and plants were small. The second batch had the benefit of two good rains. These rains showed a better effect on the plants in the field than the culture in the house on the first batch. The last batch, having still longer the benefit of the field after the rains, show their normal condition, but come four to six weeks later than last year. The first two batches show the strongest stems and largest flowers, and

not so much the appearance of the crop as the last batch does. Albertini acted similarly to Bridesmaid; while in former years we had a good supply of flowers through November and December at present they fairly commence to bloom. Good strong plants from the field are needed to have flowers before the holidays.

FRED DORNER.

### Deformed Flowers on Helen Keller.

I have a house of Helen Keller carnations, the flowers of which are nearly all coming deformed. They are fine, healthy plants, planted about the end of August. I keep a night temperature of from 50° to 55°, and don't let it go above 75° through the day. Would you please let me know what is the matter? and oblige

CALIFORNIA.

This deformity of flowers on apparently healthy plants is as yet a mystery, and puzzles more carnation growers than myself. I did give my opinion of a similar case on Portia. This being an old variety one may credit it to the degenerating habit of all cultivated varieties of plants, but being confronted with this disease in all stages of carnation plant life, and in different varieties, we have to hunt for the cause in the modes of culture. Evidently there must be something wrong with the soil; it may not contain some parts in proportionate quantities, or under circumstances becoming neutralized and injurious; or the mode of culture causing a wrong action on the soil harmful to the plant in certain ways or certain stages of its growth. The fact of the apparently healthy condition of the plant, as also the assuredly proper care regarding temperature or moisture, will not shut out the possibility of some unobserved or hidden irregularity becoming manifest in certain parts of the plants or in certain stages of its growth. We see the reverse in plants with apparently diseased foliage bearing healthy perfect blooms. The leaves being injured by one cause or other will not necessarily affect the whole plant, so we may conclude the petals of the blooms may get injured by some unknown cause without affecting any other part of the plant. These are as yet mysteries of plant life, and only microscopic examination or a chemical analysis will give light. I refer to my carnation notes in number 393 of this paper.

FRED DORNER.

### Remedy for Wood Lice.

If W. J. A. will take sugar and mix with it enough fresh Paris green to thoroughly color it and sprinkle thinly on the boards on each side of his benches some evening he will find his wood lice all ready to sweep up from the walks in the morning. Repeat this at the end of two or three

weeks and he will have no more trouble for some time. After W. J. A. has tried this I wish he would give the result of his experience in the paper.

ROBT. SIMPSON.

#### Cost of Outdoor Culture.

Would you please tell me through the AMERICAN FLORIST what it would be worth to grow one acre of carnations, taking them from the florist in spring, do all the tending and deliver in the fall, rows to be 18 inches apart and plants to be 10 inches in the row.

H. L.

At the distance given, as plants have to be planted, one acre will hold about 36,000 plants. To give soil and plants proper care and deliver the plants in the fall in good condition is quite a piece of work, and 1½ cents per plant should, to my estimation be satisfactory to both parties.

FRED. DORNER.

#### Carnation Diseases.

The Indiana Agricultural Experiment Station at Lafayette, Ind., will publish in February, 1896, a limited edition of a bulletin upon carnation disease. It is desired that this bulletin will have as wide a circulation as our means will justify among the carnation growers, first in Indiana and secondly in other parts of the country. This bulletin will be illustrated at a large expense, and we wish to make everyone that is distributed go to those who especially desire it. If those of your readers who desire this bulletin will drop a postal card addressed to me I will endeavor to send the bulletins to them so far as they will go. It would be a special source of gratification if those who receive bulletins in response to this notice would acknowledge its receipt.

C. S. PLUMB, Director.

#### Diseased Carnations.

Can you tell me the trouble affecting enclosed carnation leaves? The disease seems only to affect the lower leaves of the flower stem.

MANCHESTER.

It is sometimes very difficult to recognize a disease on the dried up specimens generally received, but to all appearance in this case it is edema, and I refer the inquirer to the article, "A new carnation disease," in number 392 of this paper.

FRED DORNER.



Black Spot on Roses.

Black spot has suddenly made its appearance in one of my large rose houses. La France and Albany were the first to be affected. What causes it, how can it be prevented, and what will check it after it has a strong hold on seemingly healthy plants?

I. B. LACY.

What is commonly called "black spot" is the result of fungous growth in the leaf; it is unquestionably one of the worst enemies that can attack the rose; the pure

teas do not suffer much from it, but the hybrid teas are very susceptible, the former class, however, will take it from the latter if grown together in the same house; for this reason it is not a good plan to mix the two classes, if it can be avoided; the hybrid teas also require a little higher temperature to grow them successfully.

La France and Duchess of Albany are perhaps two of the very worst to handle when once affected, the disease seems to weaken them to such an extent as to make them almost worthless. Black spot is generally, perhaps always, caused by a check, resulting it may be from overwatering, from too low a night temperature, from a damp stagnant atmosphere, the foliage failing to dry off after syringing in a reasonable length of time, or as is very often the case caused by excessive leakage through the roof during a spell of wet weather. Any of the above causes will produce the proper conditions for a dose of black spot.

In this, as almost everything else, prevention is better than cure, but to check it where it already exists I would suggest to Mr. Lacy that he syringe as little as possible, aim to keep the atmosphere dry and pure, give air whenever possible and as much as possible, keep the temperature as uniform as possible, guarding especially against cold draughts through the ventilators. If the plants could be kept on the dry side for two or three weeks and then encouraged to grow vigorously they may outgrow it. All affected leaves should be picked off frequently and burned, and the soil stirred to the depth of ½ an inch once a week, this will let air in to the roots.

A good strong application of sulphur and lime to the steam or hot water pipes will help to kill the germs; and in addition to all the rest, and of greater importance perhaps, I would recommend syringing thoroughly once a week with the copper solution advocated in the issue of December 14, page 393. I can state positively that this fungicide will eradicate the spot if faithfully used, with all other conditions favorable, such as atmosphere, temperature, cleanliness and good care.

ROBT. SIMPSON.

#### A Remedy for Grubs, Cut Worms, Etc.

There has been so many complaints of damage done by these pests during the past season that the experience I have had with them may be of service.

Some years ago I cut some new flower beds in a lawn and planted them with coleus and achyranthes. They grew finely for a month, then some began to flag. Upon examination I found them nearly eaten through, and at the roots large grubs. I tried several "sure cures," but without success. At last a friend advised me to try oyster shell lime; this struck me as the most likely remedy.

I had all the plants taken up and a heavy dressing of the lime well forked in. Shortly after the plants were reset they started to make a splendid growth, in fact they were far better than any of the others in growth and coloring. As I had some 20,00 plants in beds and borders it was a very good test.

I have used oyster shell lime for pot plants (ferns included), vegetables, in fact most everything, and have never seen anything injured by insects where it has been used. To my mind it is one of the best fertilizers, and I have often wondered that it is not more generally manufactured and used. The shells can be had for the carting, and the building of a kiln is not costly.

Do we use enough lime in our soils, is a question, perhaps not easily answered, but I think not, and if it were more generally used we should not be troubled with so many pests.

I should take up too much of your valuable space were I to enter into minute details, but I shall be pleased to answer inquiries from any who may feel interested.

H. YOEELL.

Syracuse, N. Y.

#### Through American Eyes.

PETER E. KAY'S, LONDON.

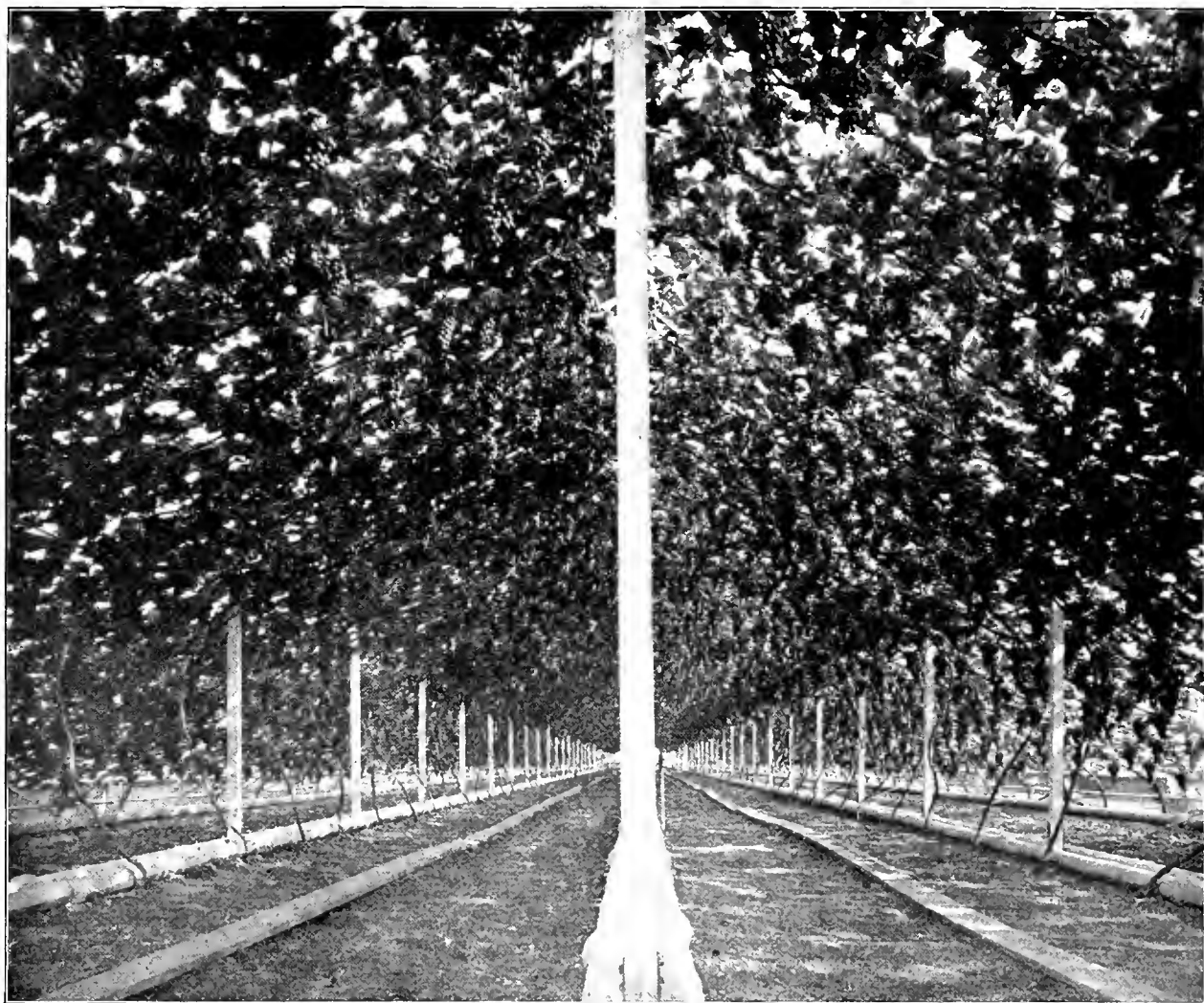
An industry closely allied to that of the florist's business is the forcing of grapes and vegetables under glass. In fact the methods used and the means employed are so similar to that pursued by the grower of cut flowers that they can with propriety be classed as branches of the same business.

While in the United States this section of the business is only in its infancy, in England, particularly in the suburbs of London, it has attained immense proportions, and establishments containing hundreds of thousands of feet of glass are quite plentiful; indeed we feel as if it would be safe to say that there is as much glass in this district devoted to the forcing of fruit and vegetables as is given to the cultivation of plants and cut flowers.

One of the largest fruit specialists in this section is Peter E. Kay, Clagmar Vineyard, Finchley, about thirty minutes' run by train from London. Mr. Kay's specialty is grapes, and in the cultivation of this luscious fruit he is easily first among his fellow specialists. When at Mr. Rochford's Mr. Kay's name was incidentally mentioned, and the visitors were told that if they had seen Mr. Kay's grapes it wasn't worth while to see theirs, as Mr. Kay had forgotten more about growing grapes than they knew. At other places the information was "You must see Peter Kay's place before you go." Acting on this advice one of the most satisfactory afternoons and evenings of the trip was spent with Mr. Kay.

Though his main specialty is grapes he also grows tomatoes and cucumbers largely, having forty-three houses 150 feet long by 14 wide devoted to cucumbers alone. His principal grape range consists of twelve houses 400 feet long by 36 wide, each of these is filled with grapes in the highest state of cultivation. It is a grand and bewildering sight to stand at the end of one of these large houses and see the great clusters of grapes all about, and as one looks a distance along the leaves seem to fade away and all is grapes. The photograph from which the picture was made was taken at the request of the gardener to His Royal Highness the Prince of Wales, who desired the Prince to see what he considered the finest house of grapes ever grown. Mr. Craig said "I consider this as great an achievement in horticulture as Westminster Abbey is in architecture."

The principal varieties grown are Black Alicante, Gros Colman and Cannon Hall Muscat, a fine white, the latter variety is a feature with Mr. Kay, very few other growers being able to get it to set fruit. With him it seems to be equal to the other kinds in number of bunches borne. When the grapes are in blossom pampas plumes are judiciously used to fertilize and distribute the pollen. When the berries have been set about ten days thinning is commenced, care being taken not to remove any from the top of the bunch, as there is always room here for development and



HOUSE 32X420, CONTAINING 10,000 BUNCHES BLACK ALICANTE GRAPES, CLAIGMAR VINEYARDS FINCHLEY, ENGLAND.  
THROUGH AMERICAN EYES.

those with broad shoulders make the handsomest bunches. In thinning Gros Colmans about half the berries are removed. One vine of this variety has carried 700 pounds annually for nearly twenty years. Some of the vines are grown on the extension system, that is naturally, not being pruned into single or double stems; this is the best system but is not generally adopted, as it takes much longer for the grapes to come into profit than when pruned in the regular way.

The large houses in which the finest fruit is grown have the borders outside. These feeding beds are not made as deep as formerly, three feet is now considered sufficient, the idea being to keep the active roots near the surface, so that they may receive nutriment from liquid applications given them at times when necessary to stimulate their growth. The most effective liquid fertilizer is called Ichthamic manure or fish guano, this is made into a paste, which then readily dissolves in water. Bone meal is also largely used. As the grapes grow on they are very carefully watched for all indications of mildew and the insect pest, red spider, which must never be allowed to get a foothold. Sulphur is the sovereign remedy for both troubles. The water pipes are heated to as high a degree as possible to make them, and by means of a liberal coating of dry

sulphur the houses are fumed to such an extent that it is unpleasant to remain inside for any length of time while this is being done.

The ventilating system has a balance weight attached to the main rod opposite each sash and the whole run works very easily in consequence. There is a row of ventilating sash at the bottom either side as well as at the top of the house.

In ripening Muscats some of the leaves have to be removed, so that the sun shall reach the grapes. Gros Colmans that color up early do not keep long as a rule. For late cutting they should ripen slowly. The large houses contain about 10,000 bunches, each averaging from one to one and a half pounds to the bunch. Choice Muscats sell for almost twice as much as other kinds. The majority of the grapes bring from eighteen pence (36 cents) upwards, some selling as high as half a crown (62½ cents) per pound.

In order to get some return from the grape houses the first two years while the young vines are growing they are planted with tomatoes. The first year the grapes are stopped at ten feet, they are pruned back before starting the second year to two eyes and two leaders trained up, the third year they are allowed to bear.

The tomatoes grown in these houses produce wonderful crops, each plant is

tied up to a stout stake and attains a height of six to eight feet; the yield in a season averages 7 to 8 pounds to a plant. These bring from a shilling down to four pence (8 cents) per pound, depending on the quality and quantity in the market. It costs almost as much to get a house of grapes into bearing as it does to erect the structure, but this system of growing tomatoes along at the same time greatly lessens the expense if it does not at times show a profit as well. The varieties grown are Comet and Chemin Rouge. Comet does best with Mr. Kay and is his principal kind. Chemin Rouge is a grand market sort in some places, but does not do well everywhere. While Mr. Kay produces the finest grapes in the market he finds there is a demand for a cheaper grade, and is now erecting a large range of glass containing about 165,000 square feet. This will be planted with cucumbers, tomatoes and grapes, the tomatoes in the grape houses until the latter are ready to bear. These grapes will be grown to produce quantity rather than quality; as the houses join each other the borders will of course be inside. Heaps of clay and coal were being burned together, the charred clay being used in the grape borders for drainage and also on account of the potash contained in it.

With this additional range Mr. Kay will have over 500,000 square feet of



glass structures all built in the most modern and improved manner. His heating is all by hot water; he uses the boiler of the Thames Bank Company, a saddle back tubular with two rows of tubes about ten feet long. Each boiler's capacity is two thousand feet of 4-inch pipe.

Mr. Kay said that a good crop of grapes the following year depended largely upon the way in which the wood ripened the season before. The wood must be just right too or a good yield cannot be expected. All through the houses extreme neatness was apparent on every hand, showing that Mr. Kay was methodical as well as brainy.

In speaking of continuous crops of the same thing in the same house year after year Mr. Kay said that he found it troublesome to grow tomatoes more than three seasons in the same house, as after that time they became more subject to disease, and the crops were not so abundant. He thought it would almost pay to allow a range of houses to remain idle every few years, take out the glass and fallow the land, as it were, by frost and rain so as to restore it if possible to near its original condition.

Mr. Kay, in commenting upon the business and the methods of the different men connected with it until the products reached the consumer, said that the costermongers or hawkers were a very important adjunct in the disposition of the stock. The fine trade would take the best and endeavor to get a big price for it, but he thought the better plan was that of the hawkers who handled great quantities at a small profit; their market was a large one, while the high priced dealers had but a limited trade.

The business was fast becoming one of specialists; competition had raised the standard of quality, and in these days if a man wanted to be successful he must produce that which would command a high figure or great quantities of medium stock that would sell quickly at popular prices. To do either of these things required the grower to confine himself to a few specialties, and by giving these close attention he was able to achieve results not thought possible under the old methods. The business not many years ago had paid fifty per cent annually on the investment, but this had gradually become reduced until it now only netted about ten per cent.

Mr. Kay is a most genial gentleman, and an enthusiast in his business, to which he gives his personal attention. His hall century mark is still some distance before him. He is essentially a self made man, and his success is entirely due to the intelligent and painstaking study of the requirements of his calling. The recollection of a very enjoyable evening passed with Mr. Kay and his charming wife will ever remain a bright spot in the memories of the visitors. K.

#### Seeds and Seedlings.

With the opening of the new year the refurbishing of depleted stocks in readiness for the business of the summer and fall following must be considered, and in this connection a few reminders and suggestions on the subject of seeds and seedlings may prove to be in order. To those interested in ferns for small luceries the month of January usually marks the time for the first sowing of spores, and this sowing will frequently overtake those that have been sown two months earlier, for the growth of seedlings is decidedly slow during the winter months. It seems scarcely necessary to repeat all the details

of the operation of sowing fern spores at this time, such directions having been published in the *FLORIST* on various occasions, but it may be stated that the pots or pans used for this purpose should be about six inches in diameter, and new pots are preferable, the use of such retarding the growth of fungus, and to a certain extent guarding against "damping off" of the seedlings, always providing that proper treatment in regard to watering and ventilation is also given. Very high temperatures are not needed for the germination of fern spores in general, and a night temperature of 60° to 65° will answer well. And it is also best to keep the seed pots rather close until germination is apparent, this measure preventing the soil from drying out too rapidly, but as the growth progresses more ventilation should be given.

Probably the most economical method with fern seedlings is that of pricking them out into other pots or pans soon after the prothalli are well formed, removing the seedlings in clusters to the surface of the new soil and gently pressing them into place, this method giving them more room to spread out, and in a measure avoiding the overcrowding that is inevitable when the seedlings remain in the original pot until large enough for potting off.

With fern spores as with other seeds, the freshest are the most reliable, for while the spores of some species will germinate freely after having been in stock for several years, yet the majority are much more satisfactory when sown soon after they have been gathered, and as thorough microscopical examination is not convenient for all growers it is best to be on the safe side by gathering your own spores and sowing them as soon as practicable afterwards.

The palm grower does not receive many seeds just at this season, unless it may be a belated lot of kentias, and the first consignment of seeds of regular crop is usually *Cocos Weddeliana*, these sometimes arriving early in February, and sometimes much later, the latter condition being liable to arise any season in which a South American revolution bobs up at about the usual time of shipment. But in any case it is best to sow palm seeds promptly on arrival, for in most cases they have been subjected to a long sea voyage which has already lowered their vitality to some extent. And in this connection it may be mentioned that much variation in size appears in the seeds of certain palms, *Cocos Weddeliana* being a good example of this characteristic, and the seeds of which vary from the size of large peas to full three-fourths of an inch in diameter, from which it will be readily understood that it would be unwise to accuse a dealer of mixing seeds until after they had germinated. *Pandanus utilis* also varies greatly both in size and quality, and these are often in the market quite early in the season, and require much the same treatment as the seeds of palms in general, namely, a moderate bottom heat in a house having a night temperature of 65° to 70°. It should also be remembered that the seeds of *Pandanus utilis* are compound and frequently produce several seedlings from the one fruit or nut, so if the seeds are fresh and of good quality a much larger stock may be realized than had been anticipated.

*Dracena indivisa* should be sown early in order that the seedlings shall be large enough for planting out in the open ground during the summer, this method of growing them producing strong, stocky

plants with a minimum of trouble and labor.

The Abyssinian banana, *Musa ensete*, is more or less used for foliage effects during summer, and while not a paying plant in large quantities is still a useful one to many florists, and to have good plants for summer use no time must be lost in sowing the seeds, bearing in mind that the seedlings must have heat and moisture in abundance and a rich soil to induce rapid growth.

The raising of seedling cannas has become quite popular in the trade of late years, and various ways of inducing the rapid and free germination of these hard shelled subjects have been discussed in our horticultural journals, among them being filing, clipping, soaking, etc., all of which have been practiced with varied success. Still another method that I have seen tried with good success was that of gathering the seeds as soon as they were well colored but before they were very hard and dry, and then sowing them at once, the germination under these conditions being much more rapid and also giving a better percentage of plants. Of course there is also the disadvantage of carrying over the young plants until spring in a warm house, thus occupying space that might be otherwise employed.

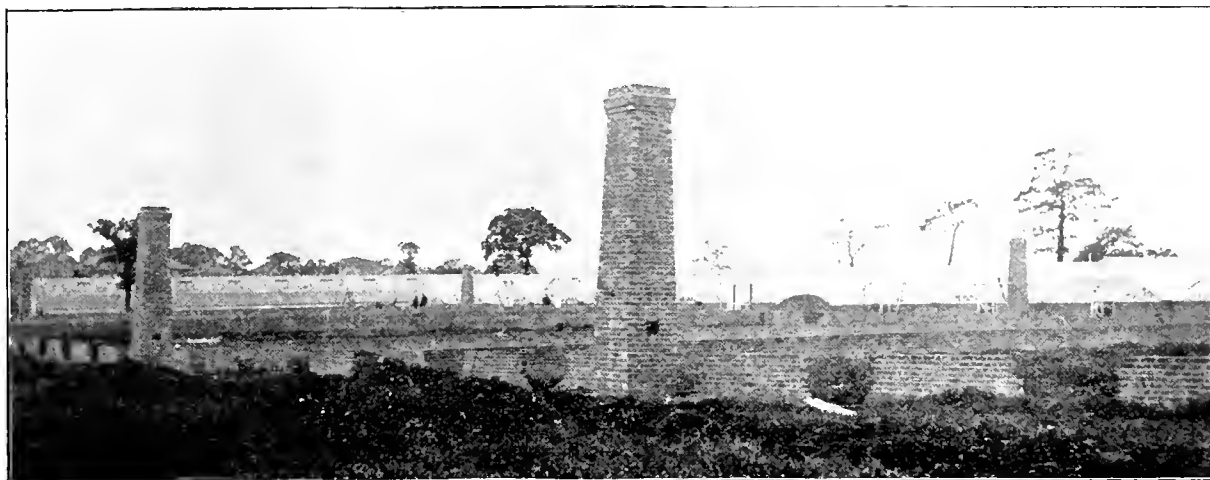
W. H. TAPLIN.

#### The Royal Gardens, Kew.

At a time when gardeners and florists are interested in the outcome of an American botanic garden on a somewhat extensive scale, it may be well to consider how much such an institution may do towards the promotion of horticulture. The *New York Times* in its issue of September 22 gave a somewhat extended account of the administration of Kew Gardens, and the means adopted by the authorities for the broadening and instruction of the gardeners and florists of the British Empire, and to some extent those of the European continent. It was there shown that the aim is to afford instruction in every department of the vegetable kingdom, and to make every department of the garden, with its museums, libraries, lecture rooms, picture galleries, laboratories and herbariums, as complete and helpful as possible.

That these resources may not be wasted no men are admitted but such as have had a good practical training, and a man entering Kew has had experience very likely at Cliveden, Frogmore, Turner's, Veitch's and Philip Ladd's before he even applies for admission. In fact every notable garden, nursery and florist establishment in the Empire and in Europe has at one time or another sent men there. You may imagine the tone of the mutual improvement society when made up of 40 or more of the most hopeful and progressive of young gardeners and florists. These men are encouraged in every possible way to do their best, not only in their work, but in their studies. They have an hour every morning to visit any part of the garden they please. They get (or used to get) free tickets for the flower shows; they can have a reasonable number of holidays; they have a regular Saturday half holiday in their turns; those who are interested in British plants and their conditions of growth, etc., have two or three field days a month and several excursions to distant points, accompanied by Mr. Nicholson, Mr. Hemsley or some other official of the garden or herbarium.

The lectures given and papers read by the young men are frequently of a very high order, and it is a pity that some one has never thought to publish the papers read by Kew men in their lecture courses



BLOCK OF HOUSES IN COURSE OF ERECTION AT PETER E. KAY'S. WILL CONTAIN 165,000 FEET OF GLASS.  
THROUGH AMERICAN EYES.

during the last thirty years. A selection of these with the nomenclature carefully revised to date would probably prove to be one of the most instructive horticultural publications extant. It would be found that very many improvements in the gardens had their inception in the minds of men going to Kew for a year or two and leaving ideas to be worked out by the permanent staff. And so with methods of culture; the men are always at liberty to do something—providing it is practicable. One of the most difficult problems to overcome in the public departments under glass is the draughtiness caused by the opening of the doors by the constant stream of visitors. There are a great number of plants which cannot be grown to perfection in the palm house, orchid houses and even the greenhouses for these reasons, and it has been found that a large area of glass for the growing of plants, and from which the public is excluded, is absolutely necessary. These departments are known as the "propagating" and "decorative" departments. They are the portions of the establishment which the florist would naturally be most interested in, for they minister directly to his business. They constitute the popular features of the establishment. The bedding along the main walk and in the various parterres, the constant show of bloom in the "No. 4" conservatory, and the extensive massing of shrubs, herbaceous and bulbous plants on the lawns, are what the yearly million and a half of people chiefly go to see, supplemented as these displays are by every other feature of gardening in as great perfection as the conditions will permit.

The Duchess of Teck (Princess Mary, daughter of Queen Victoria), took a very great interest in the color arrangements, and when a young woman at Kew she always went over the bedding scheme with the then foreman, Mr. Craig, and made many suggestions. A gentleman (now in India) was credited at that time with the suggestion of combinations of color which were so rich and perfect in their harmony that several of the manufacturers of ribbons sent their artists to Kew to copy them. Similar care is being taken in the grouping of the shrubs and herbaceous plants, and the only pity seems to be that these arrangements often clash in an unnecessary manner with scientific arrangement. For instance a large bed has recently been greatly admired planted with *gladiolus Brenchleyensis* and

*Galtonia candicans*. In a garden for instruction it might have been better to have used the *kniphofia* instead of *gladioli*, because of its closer affinity with *galtonia*. But this is the misfortune of Kew; it has been put together piece by piece, and not constructed with reference to a perfect sequence, and in that respect a modern garden formed on cleared ground ought to excel it.

Another excellent arrangement was the grouping of *helleborus* and *berberis*. They belong to one alliance at least, and the white flowers of the *helleborus* and the scarlet fruits of the *berberis* are there seen at one season. With us, in many parts of the country we could not use the *hellebore* as a carpet. We could, however, carpet with *Anemone patens*, or with *Podophyllum peltatum* for color and sequence together, and let the berries in winter take care of themselves.

It is so all through the list of garden plants; a proper consideration of their affinities would reveal the fact that very nearly all of the 42 alliances of the Hookerian system contains plants commonly used in gardens for decorative purposes, and which might be far better used by botanists and park superintendents for the instruction of public school children than hugh ives and sow-thistles.

Kew Gardens, as I have said, can never now do this perfectly; her collections are interwoven one within the other, and you must study the trees in one place, the shrubs in another, the herbaceous plants in another, each more or less separately, each more or less mixed. A modern garden can readily be formed on a more instructive and more consonant plan. *Magnolias*, *delphiniums*, *aquilegias*, *anemones* and *ranunculus* may be grouped together, to flower together or nearly together, and so again may *aconites*, *trollius* and *clematis*. The poppies, the *dianthus*, the *candytufts*, the *arabis*, *aubretias* and *violets* may often be made complementary to each other in masses of color. The *tamarisks*, *silenes*, *lychnis*, *pink*s and *saponarias*, many of them flower together in harmonious colors. The lime trees and the *hollyhocks* in June, and the *hibiscus*, *malvas*, *salicinas* and *callirrhoe*s nearly all flower in August. The *geranium*, the *flax* (*linums*), the *dictamnus*, the *oxalis* and the florist's *pelargoniums*, *tropaeolums* and *impatiens*, with lemon trees, *peteas* and *cedras*, are all allied and capable of the most decorative treatment within the limits of

the group. The *hollies* so seldom seen come next. They are not used because nurserymen have not learned how to make them surely grow. Is there a *holly* hedge in all America? The Japan and other maples, the horse chestnuts, the *kolreuteria*, the cut leaved and flowering *rhus*, the *staphyleas*, the *xanthoceras* and 170 or 180 genera besides that have been but little tried for ornamental gardening; all go together or should go together. And so on all through the vegetable kingdom. The garden can teach far more of useful botany than the field, in a much smaller compass, in a far more attractive way.

This has been fully recognized at Kew, and so far as the conditions permit is being fully brought out. But a straight walk bordered by *geraniums*, *verbenas* and *coleus* cuts through the *rhododendrons*, or another of *Himalayan cedars* cuts through and among the *rose* alliance. It cannot be helped now. But it should never be repeated in a new garden. The visitor to Kew must perforce see and study any feature not in affinity, but often in a distracting way mixed with some other. Yet the bedding features along the main walk and in front of the palm house and around it are capitally isolated and harmonized. They do not clash with anything other than botanical sequence. The beds along the walks are simple, being merely the often used oblong and round beds alternately. The parterre is much more elaborate in pattern, and to fill it with color without discordance requires no mean care, no slipshod knowledge of plants.

In front of the palm house parterre, and between it and the No. 1 museum the lake is partly bounded by a masonry wall, carrying handsome vases on the buttresses. There is a liberal display of standard roses, *rhododendrons*, *Berberis Darwinii*, etc., and many of the formal ornamental shrubs such as *hollies*, etc., are used on the terraces surrounding the large house in such a way that they aid in gradually leading the architectural lines through every section of the grounds. The *Sion Vista* runs out to the Thames with rows of round headed *robinias*, and at an angle of 45° the *Pagoda Vista* runs out to the Deer Park bordered by *Deodara cedars*.

There used to be a wire fence separating the pleasure grounds (now the arboretum); it was long regarded as the "smoking line," but I suppose its removal

means more liberty in the matter of orange peel and sandwiches, etc. No smoking has ever been permitted in the glass structures. Perhaps the readers of the *FLORIST* will desire to know something of the character of these. The first house to claim attention at the main entrance is the "Grecian conservatory," so called from its being partly constructed with marble columns, brought I think from Buckingham Palace, and having some historical association. This large house contains all the large growing aroids and the larger tree ferns. It was the Australian house for a long period, and during that time was heated by Perkins' "high pressure" system. When the Temperate House was built about 1862 closed piping was condemned as being ill adapted to the requirements of a tropical house, however useful it might be for rapidly raising heat for plants only occasionally requiring it. Turning to the left from the main walk a group of good sized houses are encountered, comprising the famous No. 4 conservatory (recently enlarged), the succulent and cacti house, and the tropical, temperate and filmy fern houses. Passing from these and leaving the propagating and florists' department (which is private) to the left, what is called the "New" or T range is encountered. This is a span roofed group of modern houses in 7 or 8 compartments, devoted to beahths, begonias, a show stove, the Victoria and other aquatics, etc., the tropical and sub-tropical orchids, and the tropical and temperate useful plants—"The Economicæ," as I called them when I first began to get them together. These houses and the palm and aquatic house, and (now completing) the large temperate house comprise the principal glass houses to which the public is admitted. The "private" department near the Jodrell laboratory is the portion devoted to the raising of the large quantities of bedding plants, annuals and decorative flowering plants for the conservatories. The various publications constantly refer to the productions, and anything useful is sure to find its way into trade sooner or later—curiously enough often later. I could give some funny examples of this, but really after all the florist as a rule is smart enough. Kew in spite of its now unavoidable heterogeneous arrangement is a monument of persevering scientific horticulture, and the British gardener is, and has abundant reason to be proud of it.

JAMES MACPHERSON.

#### Red Spider.

P. F. says; "How long does a red spider live? Do they not remain on carnation plants in field through the summer? Can they be eradicated from a house by heating sulphur? I think kerosene emulsion must be injurious to plants, as it puts a coating on foliage. I know how to avoid them but I want to know how to get rid of them when they have possession." I am not aware of the normal period of existence of an individual red spider, never having become acquainted sufficiently with the personality of any single one, but I do know that if let alone for everyone that gives up the ghost there will be numerous heirs to take his place. In hot dry seasons they often attack carnations in the field, but they usually disappear with the rains and cooler weather of the fall. Burning sulphur used to be the standard remedy for red spider on grape vines in vineries, and it should work all right in ridding the carnations of them. It is dangerous unless great care is taken.

You can heat an old shovel hot and then sprinkle sulphur on it, but be careful not to over-do it. When you can smell the fumes it is time to pass on. Kerosene emulsion is hurtful to a few plants but not to carnations; you can use it with safety. Red spider is difficult to dislodge when once on carnations, but if thoroughly and skillfully syringed every few days you will kill them. The sharp strong but fine spray of water destroys their web, and they soon go out of business.

W. S.

#### Cleaning Glass.

I have recently discovered that greenhouse glass clouded with smoke from soft coal can be cleaned so as to be as good as new.

Part of my glass is close to the railroad where about two hundred trains pass daily, and some of it, particularly that on cold frames, had become so darkened that nothing would thrive under it. I feared that creosote had corroded the glass itself, but a microscope of high power showed a coating consisting of specks of brown and black gum like resin and tar.

I tried several chemicals to no purpose, but finally tried oxalic acid. Ten parts of water to one of the acid is as strong as it can be made, that being a saturated solution. I applied it with a small flat brush so as to keep it from the paint on sash bars. In half a minute the deposit (which could only be scoured off with great labor with whiting and ammonia) could be wiped off with a cloth as easily as vapor, leaving the glass as clear as new.

The best way is to let the solution dry on the glass on a cloudy day, when it will not dry too rapidly, and then it will wipe off with a dry dust cloth; this saves labor and cloth. Care of course must be used not to let it drip between the laps onto plants.

I bought the acid of a wholesale druggist in Boston at twelve cents per pound, and I find that two pounds properly used will clean a thousand feet of glass, making the cost of material almost nothing.

This knowledge is of so much importance to me as a grower that I wish it published that it may be of use to others.

CHARLES E. WELD.

Roslindale, Mass.

#### Callas and Swainsona.

Our Little Gem callas don't bloom; can you give us the reason? The plants were grown on all summer inside, and are now in 4 inch pots and root-bound; soil same as other callas that do well. Should they be planted out in open air during summer or dried off?

Our swainsonas don't bloom, but as they are planted in solid bed they grow too much vine. Can anything be done, or can they be moved and planted on bench to bloom for Easter?

Pennsylvania. F. & D.

F. & D. should not have grown the callas on all summer in the house; they should have been either rested in May and June, or planted out and lifted in September. The best thing to do now is to shift into a 5-inch pot in rich soil and give them a light house with a night temperature of 60°, and flower will no doubt come.

When swainsona are given unstinted root room they make a great growth and little flower, especially in the winter

months. The roots should be confined. They lift poorly; to get them to flower in the spring I would advise if in a position where it can be done to cut off all the roots that extend a foot beyond the stem, sides and underneath; this will check their growth, but not kill the plant, and should throw them into flower.

W. S.

#### Renting Palms for Decorating.

What price should we charge at this time of the year for 20 palms valued at \$100 for decorating? BOLANZ BROS.

With us the summer price for loaning palms which will range from 18 inches to 6 feet is \$4 per dozen; in the winter \$5. Any palms over 6 feet are too valuable to be reckoned in by the dozen and should be charged for by the single plant, but there are many occasions when it is impossible to do this and you have to give a lump price for the job. The inquirer only gives the value of the palms, which would average \$5 each. We presume they are only loaned for one night. If they are the right kind of palms for decorative work, such as kentias, arecas and latanias, at the price quoted, big and little, they ought to be worth for a decoration \$15 to \$18.

W. S.

#### Chrysanthemum Charles Krueger.

We may be somewhat old foggy in our notions, but when we get hold of what we believe to be a good thing we cling it. In this case it is the above named 'mum, a variety which attracted my attention a year ago and which I am inclined to think got lost in the shuffle after new varieties.

The flower is medium early, in color a soft shade of yellow, measuring 8 to 10 inches, twisted and whorled but with a perfectness and symmetry rarely seen in 'mums.

D. M. REICHARD.

#### Orchid-Flowered Cannas.

The above title has been applied to some beautiful new large flowered cannas originating in Italy, which will probably be introduced to the public in 1896. The originator, Mr. Sprenger, of the firm of Dammann & Co., San Giovanni a Teduccio, considered that where the known large flowered varieties were continually used in inter-breeding, nothing more remarkable than the varieties already obtained could be expected. He therefore sought to infuse new blood by using the well known *Canna flaccida* of our southern states. This is a variety having a handsome clear yellow flower, rather iris-like in shape. After some failures Mr. Sprenger succeeded in fertilizing Mme. Crozy with the pollen of *C. flaccida*, and the result is a most beautiful variety which has been named Italia. The flowers are orange red shaded vermilion, bordered with golden yellow streaked red. The flower is broad petalled and in shape shows a remarkable variation from our existing types. It is flattened in a manner that suggests a cattleya bloom, a resemblance increased by the differing shape of one of the lobes, like a lip. The plant is 4¾ to 6½ feet high, leaves dark bluish green and very firm; it seems a very robust grower.

Another variety, which first bloomed at the same time as Italia, is Austria; it has yellow flowers shaded with purple, which are likened to a large tulip or yellow lily. Four other varieties, flowered for the first time last year, are Atalanta, leaves green, bordered with red, scarlet



ALOCASIA LOWII GRANDIS.

flowers; America, leaves dull red, streaked greenish bronze, carmine red flowers, slightly streaked pale yellow; Burgundia, leaves glaucous, small, brown margins, golden yellow flowers, spotted red, and Allemaniana, large musa-like leaves, very large flowers, carmine edged golden yellow and spotted carmine beneath. These cannas are likely to be the most remarkable novelty of their kind produced this season; it seems a pity our own growers have not turned their attention more to *C. flaccida* in their efforts in this line.

#### Hot Water Pipes Rusting.

I have a hot water heater in my greenhouse, and the pipes are rusting badly. The contractors who put in the work told me I should have no trouble that way. What can I do to clean them and stop the rust?  
C. P. N.  
Minnesota.

I suppose C. P. N. alludes to the outside of the pipes. He does not say whether they are the small wrought iron pipes or the cast iron 4-inch formerly and still so largely used. They will rust, and if not seen no harm is done. More than once I have been called to look at a plant house where the plants were growing smaller every day. The pipes were painted with tar because it looked nice; that was the knowledge of the local steam fitter. If the pipes are in view, which sometimes they are, give them a coat of linseed oil and lamp black; that will give them a nice glossy black appearance, and they will radiate just as much heat as they would without it, and perhaps a little more.  
W. S.

#### Alocasia Lowii Grandis.

This is one of the novelties picked up by Robert Craig on his recent European trip.

It is a very distinct and pretty species, especially valuable in collections for amateurs. The leaves are from 12 to 18 inches long, strikingly variegated, and as

the illustration shows the habit of the plant is neat and graceful.

Among the other new things in Mr. Craig's collection are two promising ferns, *Pteris Wimsetti* and *Nephrolepis davallioides multiceps*. The latter is of dwarfer habit than the well known *N. davallioides furcans* and should make a desirable commercial variety.

Mr. Craig is more enthusiastic than ever over the possibilities of the croton as a jardiniere plant. As grown by him it is the ideal plant for table decoration and the many new varieties which are being constantly introduced show great diversity in form and coloring. Neat, well-colored little plants are now grown so cheaply in quantity that the public can afford to buy them as they do flowers for immediate effect, regardless of the fact that they may be rather short-lived in the dwelling house.

#### New York.

Another green Christmas to be recorded. An entire week of weather that would be perfectly seasonable for Easter preceded the holiday. Those who feared, as well as those who hoped for, a scarcity of flowers were left out of the calculations altogether. The effect of the warm weather on most kinds of flowers was very disastrous. Roses were soft, flimsy and colorless even on the plants, and lily of the valley and Roman hyacinths seemed almost to melt away. When fresh stock suffered thus the condition of the stuff which had passed a period of "pickling" in the cellar may be better imagined than described. Of this latter variety there was the customary dose in market on the day preceding Christmas, some of it from growers whose prominence and reputation ought to be a guarantee against indulgence in this ancient and idiotic course. The electric light, so severe on silks and satins, has a most wonderful effect on aged flowers, and there was many a lot disposed of in the early morning hours at the market and elsewhere

by artificial light throughout the day and evening that was calculated to give its buyers a pain as soon as exposed to the light of day.

From the standpoint of the grower or wholesaler it can scarcely be said to have been a great Christmas in New York. Some pretty good prices were realized for gilt edged stock in small lots, but there was an abundance of everything, prices ruled low on an average and at no time was any special rush apparent. On the other hand the retailer had every reason for rejoicing. The pleasant weather was a great inducement to bring out his customers, it relieved him of the trouble and expense of protecting his flowers from cold in delivery, and the abundant supply left him free from any solicitude as to where his stock was to come from or what it was to cost. The plant trade was significantly large. It almost monopolized some of the larger stores in the fashionable districts, and in volume threw the cut flower trade for the time being far into the background. The finest thing in the market was the heath from Dupuy of Whitestone, who is a perfect wizard in the cultivation of these things. *Erica Wilmoreana* and *E. nigricans*, so called, the latter apparently a fine variety of *E. melanthera*, were offered in marvelous perfection and they sold at sight. *Ardisias* loaded with bright berries seemed specially appropriate for the occasion, and these also sold in great quantities. *Adiantum Farleyense*, *araucarias*, Chinese primroses, daisies and azaleas made up the balance of the plant display. Ribbon was used almost invariably. The white heath looked well with a big bow of any color; *ardisias* and *araucarias* affected brilliant scarlet, a color which has but little demand at any time other than Christmas, and the *Wilmoreanas*, Chinese primroses, etc. took kindly to soft pink satin. Tissue paper dressing was done but sparingly and by but a few of the prominent florists.

In cut flowers there was a big assortment to choose from. The outside price on extra Beauties of form and color and length of stem was 1 25, but one-half of what has been realized on similar quality on holiday occasions in the past. From this figure they ran all the way down to almost nothing. Other roses touched from 15 to 20 for best, but as in the case with the Beauties the proportion of this grade stock was small. Carnations just escaped a Waterloo. Anything over 2.50 to 3 was out of the question and large quantities changed hands at 1 per hundred. The street men came to the rescue of the carnations; their sidewalk show cases were heaped up with McGowans and Scotts, making with holly and mistletoe their principal stock in trade. Lily of the valley was very plenty and much of it was in bad shape. Ernst Asmus brought in a few hundred sprays of a quality never before seen at this season of the year, and it was immediately gobbled up at an advance of about 300 per cent over ruling prices. Carl Jurgens sent to John Young the first trumpet narcissus of the season; one week ahead of last year's record. Roman hyacinths were heaped mountains high everywhere and probably will not average over \$1 per hundred all through. Among the novelties were some fine bougainvillea at Horan's, and Dupuy was in with the first liac of the season. Cattleyas were fairly abundant and there was a small representation of phalaenopsis, calanthe and other orchid flowers. *Cypripediums* were everywhere in enormous quantities; never before have they been so abundant. Mignonette



from Suydam, Dailedouze, Bennett and Francis was superb, the price for the finest specially selected stems being from 10 to 25 per hundred. Tulips and paper white narcissus were two items that might have been omitted entirely with benefit to the cause. Tulips cannot be forced at this season in salable shape, and paper white narcissus has completely worn out its welcome.

The retailers' windows did not show, as a rule, much in the way of special decoration. In Thorley's window were some handsome celluloid baskets, one of ericas and adiantum with pink satin ribbon, one of cattleyas and valley with lavender ribbon, one of cypripediums with green ribbon, etc., but very few baskets were seen elsewhere. Stumpp had a gorgeous holly wreath fully 8 feet in diameter, which made a grand display in his main window. Some well bloomed boughs of pink flowered *Pyrus japonica* were also displayed by Stumpp with striking effect. Promiscuous plants with ribbon deckings constituted the main window display in most cases. This was varied in the case of Hanft Bros. by a beautiful circle of cattleya and cypripedium blooms. Among the visitors in town were noted H. H. Battles, Philadelphia; B. Ulam, Pittsburgh, and J. F. Wilcox, Council Bluffs.

The private gardeners, to the number of about forty, had an enthusiastic meeting on Saturday last in New York City and perfected an organization with the following officers: President, James Logan; vice-president, Wm. Plumb; secretary, J. I. Donlan, and treasurer, Wm. Anderson. The object is mutual benefit and social intercourse and all private gardeners in the United States will be eligible for membership.

#### Buffalo.

Two days before Christmas is early to give a report of Christmas trade, but we can see which way the wind blows. For ten days past we have had weather more resembling September than mid-winter; thermometers up to 60° in day time and many rays of sunshine with it, still you will doubtless hear the perennial croak about the dark weather. I don't presume to say that this is the ideal weather to produce the finest of rose huds, but take it altogether a florist could not order more ideal weather if he had the power. May it only last till mid-day of the 25th, and then let her blow and snow her best. The indications are that we shall all be able to fill our orders, and we trust that prices will be such that our customers can buy and not have to starve themselves for the next month to enable them to pay the florist's bill. There are already signs of some salted goods; this is a terrible mistake, and causes serious friction all round.

The plant trade is going to be a feature, as it has been for several years past. Orders for them are always in advance of the cut flower buyers, who often wait till the last day. Azaleas, poinsettias, cyclamens, *Begonia incarnata*, primulas, *Lilium Harrisii* and palms of moderate size are the leading plants. Of poinsettia there is a grand lot grown here, mostly by Christenson, Rebstock, Milley and Scott. Plants not over 2 feet high with bracts from 12 to 18 inches across readily bring one dollar either cut or in pots, and that pays.

The great feature of this merry time (we hope for all) is the marvelous growth in the use of holly and other Christmas green. To be reminiscent for a moment, it seems strange when I recall the fact that eighteen years ago a good customer

sent me on Christmas eve a holly wreath which she had brought from Washington. I know it was one of the very few first seen in this city. Next year a few more arrived, and then a case or two came here, and now it comes not by the dozen cases, but by the carload. This year it is universally used, scarcely a store of any kind but is decorated with holly. From the pawnbroker to the undertaker you will find them all in line. Holly they must have, for it seems at home anywhere. The holly trade is, however, only slightly in the hands of the florist; perhaps they have all the care to do in that line with the other rush of business. Commission houses bring it here by the car load and some thrifty people buy it, make into wreaths and not only sell to the groceryman, but peddle their scanty wreaths from door to door. We occasionally call on our commission man, D. B. Long, but he is so busy dictating orders to his stenographer for southern smilax or ground pine that you can't speak to him unless you make an appointment a day ahead.

Mr. John C. Pickleman of French street, one of the oldest florists in town assigned for the benefit of his creditors a few weeks ago. His nephew John G. Pickleman is the assignee who has taken hold of the place and will run it with the endeavor to straighten things out. With his experience and well known industry this we believe will soon be accomplished.

Mr. W. F. Stabley, late with J. H. Rebstock, has built several useful houses on West Delavan avenue, which he intends to run as a retail place.

Mr. George Stewart, formerly on Main street, has opened a store in the thickly populated district of Connecticut street. There should be a good opening in this district. They are not millionaires who reside there, but they will all want a spray of holly at Christmas.

I should have mentioned before this that at our monthly club meeting, which was held at the house of Geo. Eckert (he of bowling fame, who made the high score in Pittsburgh) a very pleasant time was had, after business a game of bowls was indulged in, the first time in many months that the old players got together.

To those who take the trouble to read my notes and all the craft I wish a happy and prosperous season. W. S.

#### Montreal.

The regular monthly meeting of the club took place last Monday evening, John Eddy, the president, in the chair. The first business was paying the prizes awarded at the show. For the first time in three years there is a surplus after paying them in full, but as there were some accounts unpaid, and the returns from the sale of tickets not being all in the secretary could not say the exact sum, but it is expected that there will be sufficient to pay the balance of the prizes of last year. The secretary announced that there were forty-five associate members enrolled just before the show.

The proceeds from the flower booth were very satisfactory, and a hearty vote of thanks was accorded Mr. McKenna for his efficient management of same, and also to the young ladies who assisted him.

It was decided to have the annual dinner as usual on the evening of the annual meeting after the election of the new officers. The committee of management were instructed to proceed without delay to the preparation of the prize list for the next chrysanthemum show.

The annual election of the board of direction of the Montreal Horti-

cultural Society took place a couple of weeks ago, and resulted as follows: D. Williamson, P. Roy, W. M. Ramsay, R. Reid, Tom Hall, Jules Betrix, G. Trussell, Joseph Bennett and John Doyle. The latter gentleman has occupied a seat on the board of the society twenty-one years consecutively.

The secretary announced that he had received notice that the annual grant from the Provincial Government would be reduced by one-half, it having been decided by the department to divide the annual grant with the new fruit growers' society lately organized by a section of the old society who were of the opinion that their interests could be better conserved by a separate organization.

A very pleasant social event came off recently at the residence of Mr. George Robinson. At the last meeting of the club he extended a general invitation to all the members to come to his house and spend the evening with him, in response to which about thirty members turned up to partake of George's hospitality. The fact of Mr. Robinson carrying off the two much-coveted chrysanthemum cups at this year's show goes to prove that he understands the feeding of 'mums, but not till that night was it known that George's knowledge in that direction was very inferior to his knowledge in catering to the wants of the human species. However, after a very enjoyable evening's entertainment the party broke up at 1:30 a. m. after wishing George and his charming wife many long years of joy and happiness.

The florists' windows have begun to put on their Christmas looks; the decorations this year seem to be in advance of any former year. All look forward to a prosperous business.

After three weeks of real severe winter weather with first-class sleighing the weather is again so mild that the snow is nearly all gone, and the prospects are that we may have a green Christmas.

BEAVER.

#### Toronto.

The most enthusiastic meeting the Gardeners' and Florists' Association ever held since its inception in 1889 was the annual meeting held on the 17th inst. Your correspondent was a charter member and has only missed three or four meetings regular or special during the six years, and never saw a more unanimous meeting or one more determined to go ahead in spite of all obstacles. Everyone present seemed to feel thankful over the probability that there would be no more squabbling and that the association would be able to occupy its time with strict business and with efforts to improve the state of both the mind and pocket of the members. About 45 were present. The secretary's statement was the most satisfactory one ever presented, not excepting that of the S. A. F. convention year. The number of members is 116, and there is only \$14 of back dues, 34 members have joined during the year. The treasurer and secretary will issue a printed audited statement of affairs at the next meeting.

It was decided to organize a horticultural society under the act of the provincial legislature; this society will take in amateurs and others interested in horticulture, but not for profit, as well as the profession. Under this act a society of not less than fifty members paying \$1 each is entitled to an annual grant of about \$140. The annual dues of the G. and F. Association being \$2 it was decided that the treasurer should pay \$1

for each member in good standing, thus making him a member of the Horticultural Society also.

The executive committee was instructed to report concerning the annual dinner at the next meeting.

Holly is very well berried this year and sells well. Christmas trees and wreathing are in great demand. The weather so far is mild and fine for handling plants and flowers. There is every appearance of a big business being done. School closings, etc. made the cut flower business pretty brisk this week, roses, carnations and violets being in chief demand. There are still some chrysanthemums hanging about, but they don't look as if they were enjoying themselves much. E.

Mr. Henry Eckford.

Meeting Mr. Eckford now, at seventy-two years of age, he does not seem like one who has come up through the stages of a gardener's career, but rather as a pleasant old gentleman of refined manners, with a keen zest for things beautiful. He is tall and of fine physique. Like John Laing, or "Tuberous Begonia John" as he calls him, he is a familiar figure and an old time competitor for floral certificates at the English shows. A photograph I have of him, taken twenty years ago, with the same long beard, but thick as well as long, shows the same good nature that is now easily read in his face.

Before he launched out into the work of a specialist he was gardener for a Dr. Sankey. He has been fifty years at work on special florist flowers, and has a "cart load" of certificates to show, but his successes seem to weigh less with him than his unfading enjoyment of his work. He knows where every promising pod is on his culinary peas, as well as the odoratus. In his sweet peas he has a "goose that lays a golden egg," and he is very conservative about advertising and solicits trade only from such as appreciate his work enough to want his sealed packets at his own price. All England couldn't move him to go begging for a customer.

His little seed house at Wem is headquarters for his specialties, no one big seed house in England being granted any favors above another by him. He keeps his retail custom in his own hands, and fosters it by letting his retail customers have each set of his novelties one year ahead of the trade. The trade receives his trade list in the fall, but his catalogue issued later contains the advance set of his novelties. And I do not yet know exactly what that advance set is for 1896, although I saw some grand things ready.

W. T. HUTCHINS.

Philadelphia.

The few days prior to Christmas were dull enough and all the plate glass boxes were filled with Beauties and other choice stock, wasting their fragrance on the chilly air. The weather the past week has been mild, in fact quite warm for the season, and this has brought the stock in faster than it could be used. It has been hard also on the stock in "pickle" and this has been largely in evidence. One dealer remarked that had he drank anything but water, he would have been in a bad way, as it required so much to allay his thirst after inspecting a morning's offering. Roses, carnations and violets all present that saline appearance so common at this season of the year. The strike of the street railway employees completely paralyzed the traffic and caused a loss of thousands of dollars to the large stores in the center of the city. Practi-

cally no cars have been run since the 17th inst., and everybody is greatly inconvenienced. The streets were lined with Christmas greens, trees, holly wreaths, mistletoe, loose holly, laurel and ground pine wreathing was to be seen in great abundance and a large business was done by these curbstone merchants. As the 25th drew near an activity became noticeable, which gradually increased and finally became a grand rush. Beauties that were at a discount on the 20th and 21st were eagerly gobbled up at from \$5 to \$9 per dozen. Good fresh Beauties are worth \$7.50 to \$9 per dozen, in fact \$1 each for selected stock would give the dealer a chance to please his "select" customers, but such figures for roses that have kept in cellars or other storage apartments for a week or more, is robbery,



HENRY ECKFORD, THE SWEET PEA SPECIALIST

but it is the old, old story, fact it might be called a Christmas tale, and one that generally kicks up a Dickens of a row with every recurring season.

Prices were first quality teas (so marked) \$20 per hundred, same grade of smaller growers \$15 per hundred, Perles, Gontier, etc., \$10, Beauties \$5 to \$9 per dozen for salable stock. Carnations were to be had in quantity but held stiff in price, and anything passable brought \$3 per hundred, while 4 to 5 was asked for selected flowers. There were a good many sleepy flowers in the bunches but all things considered carnations were if anything above the average of former years. Della Fox brought \$8 per hundred and sold well. Violets were plentiful on Christmas eve and on the morning of the 25th, starting at \$2 a hundred and finally being offered at \$7.50 per thousand. For such stock as comes to the Philadelphia market \$1 per hundred is a high price, anything over that mark with few exceptions is an injustice to the violet industry. The dealer has to ask at least 50% profit and this advance make the price prohibitory to the masses, especially when the flowers have been held on the plants that they do not have the fragrance so essential to this flower, better have lower prices at first and sell out clear.

The volume of trade was quite equal to if not larger than that of last season, Christmas greens nearly all sold out, and

plants of all kinds, especially azaleas, sold very well.

The weather was especially favorable, in fact it seemed more like Easter than Christmas. The fires were out, the doors open and a general spring like air save for the presence of the holly branches and mistletoe bough that pervaded the stores. It was glorious weather for delivering plants, as no time was lost in having to protect from cold.

The trolley car strike was declared off on the morning of the 23d and this helped to throng the streets in the center of the city. Take it altogether every branch of the trade did well and the Christmas business of 1895 in Philadelphia may be said to have been most satisfactory.

K.

Chicago.

Christmas has passed, leaving a general feeling of satisfaction, in spite of a rather poor supply of stock. The quality of the flowers was very far below what it should have been, but this was inevitable, in consequence of the bad weather for a week preceding the holiday, continual rain and fog, without a gleam of sun, resulted in a short cut, and that of inferior flowers. Prices were naturally high in consequence, first grade Beauties reaching \$24 a dozen retail.

Among the south side florists C. A. Samuelson reported a very brisk trade, though many of the cut flower orders came in late. All roses sold well, and there was a fine demand for carnations. Among the varieties handled by Mr. Samuelson is a seedling from Mr. Singler called Harvard, which has been very taking. The color is a real crimson, not a maroon, and appeals strongly to public taste. Edna Craig, Rose Queen and Goldfinch were other fancies that sold well. Boxes of violets formed a favorite gift, these being small boxes of fancy braid, violet in color, containing two or three bunches of flowers, with another bunch tied on the top. Flowering plants, which were in good demand, included azaleas, primroses and cyclamens, and there was also a good sale for ferneries and palms. The Art Floral Co., who made a handsome display, report similar conditions.

E. Wienhoeber, on the north side, had his handsome store finely decorated, and considers business excellent, the only drawback being the poor quality of many flowers. A feature with Mr. Wienhoeber was the supply of fancy baskets filled with potted plants, which sold admirably. These varied in size, price and variety of stock, but for the most part consisted of a mixture of foliage and flowering plants. Azaleas, cyclamens and primroses were used, while ardisias and Otateite oranges helped to give variety. These two latter plants are never seen in quantity here; they need a little pushing. Fern dishes and palms also sold well. The trade in holly, mistletoe and Christmas greens generally was excellent. The day after Christmas Mr. Wienhoeber arranged a dinner table for Mrs. Potter Palmer, La France roses and ferns, with a pale variety of Cattleya Trianae for favors. December 30 he will arrange another decoration for the same lady, the occasion being a large ball. Pink roses will be largely used here, with orchids and palms. Mr. Wienhoeber has had a good deal of reception work this winter, in spite of many complaints as to the dullness of the season.

On the west side Mr. Halle has a finely arranged store, as usual, and finds business better than last Christmas, being

equal to that of the season before. The only complaint was the poorness of stock, because it is almost impossible to make a customer understand that the weather has anything to do with it. Plant sales were good, and there was an excellent demand for ferneries and small palms. The supply of azaleas was hardly up to the demand. Mr. Halle was busy with funeral work, having several large orders in during the week; this branch of trade has been brisk all winter. It seems as if the holiday trade generally gives cause for satisfaction.

The wholesalers likewise are in a cheerful frame of mind; their only trouble was the scarcity of stock. There was no trouble in disposing of all they had, and no complaint about prices, but some of the shipping orders that came in at the last had to go unfilled. The supply was short, and the demand large. Everything that could be cut was sent in. Without being ready to say it was the biggest Christmas they ever had, it seems fair to assume that the market was on the whole stiffer than last year, and there was no slump in prices at the last. Nor was there such a quantity of pickled stock. Some there was, as usual, but complaints are less than in previous years. Everything in the line of fresh stock sold at the advance prices given, and there was little cutting of rates.

In Christmas greens trade was very large. While the regular florists do not make this a special feature, most of them sold holly wreaths, etc., in large quantities. Ground pine was scarce, as elsewhere, but the supply of holly was immense. Everybody bought it, and still there was undoubtedly a lot left unsold in the hands of the produce dealers, who largely handle it. Probably more was disposed of by fakirs than in any other way.

Prices have dropped but little since the holiday, and prospects are for a stiff market and short supply at New Years. Stock of all kinds was very short during the two days following Christmas; the weather was brighter, but everything had been cut very close. Beauties of first quality are \$6 to \$10 a dozen; other grades \$1.50 to \$4. Brides are \$8 to \$10 a hundred; Bridesmaids stiff at \$10, Meteors the same, Perles 8. Some extra grades of Testout and Meteor are \$12 to \$15. Carnations are firm at \$3 to \$4, fancies \$5. Valley has rather deteriorated in quality, being from new pips, all the cold storage valley being past, it is down to \$4. Romans are \$3, paper white \$4, and tulips scarce at \$6. Harrisii is \$1.50 to \$2 a dozen. We shall be likely to see a marked improvement in the flowers during the next week, if the favorable weather continues, with stationary prices.

The continued rains, which have caused serious trouble in many localities, resulted in flooded boiler pits and similar inconveniences for some of the florists, but there seems to have been no more serious damage.

The carnation meeting of the Florist Club January 23 promises to be a very interesting affair. The exhibit of new varieties will be very complete, and the display will be decidedly educational.

Mr. J. Reeves has been growing some extra fine primulas for Mr. A. McAdams. A plant and collection of blooms displayed at the Florist Club rooms last Thursday night attracted much attention.

The fernery at Lincoln Park has been planted and was opened to the public last Sunday. The arrangement is excellent and the general effect charming. The whole house is converted into a grotto

by rockwork and the ferns are planted in pockets of soil. A waterfall and a "brawling mountain brook" supply a stream through the center, over which passes a rustic bridge. The ferns show to splendid advantage in their new locations, and a year's growth with the self-sown plants that will grow readily on the porous stone of which the rockwork is composed will make this fernery worth a long trip to see. Mr. Strombach is entitled to a great deal of credit for the excellent arrangement of the plants, by which each one, particularly the tree ferns, are given their fullest value in creating a most natural and beautiful effect.

#### Boston.

There is only one story about Christmas in Boston, and that is easily and quickly told. It is conceded by all interested that it has been satisfactory in the highest degree, in fact the best Christmas on record. The steep prices that prevailed on former occasions were not in evidence, but nobody expected them to be, so even in this direction there seems to have been no serious disappointment. Good roses, good carnations and all other stock that was to be obtained in desirable quality sold steadily till the last and with the minimum amount of fluctuation. Violets alone seem to have suffered a little, but they were not in overstock to the extent that had been apprehended. All this was especially gratifying when it is considered that the long-distance shipping trade that in the past served to keep the market from overstock has almost entirely ceased. Plants too had a phenomenal sale. Of azaleas there were not enough to supply the demand, that is in colors. Crown Prince seemed to be the most desirable variety for Christmas purposes. It is one of the quickest of the colored sorts to force. Jerusalem cherries were among the most effective plants shown, and they sold fairly well. Superstitious folk assert that there is bad luck about this pretty plant, and the sales suffer somewhat on account of this absurd notion.

The weather has been balmy and spring-like for more than a week. This fact had much to do with the final result. The growers generally around Boston have taken the lesson of past seasons to heart, have submitted to the inevitable and have been willing to dispose of their product at prevailing market rates as soon as ready for market regardless of the approach of Christmas. The effect has been most satisfactory. Instead of going to pieces at the last prices have held steady and at the wind-up reached as they should the top notch. The retailer who deferred securing his stock until the last moment in anticipation of a recurrence of the old fashioned slump had to toe the mark on Tuesday night and Wednesday morning at the rate of \$4 per hundred for fair average carnations, and \$4 per dozen for fairly good roses, and the grower with gilt edged stock reached fifty per cent better figure. Only paper white narcissus, cypripediums and Roman hyacinths seem to have suffered from over-supply.

#### Cincinnati.

Quite a number of visiting florists staid over from the carnation meeting of the club and on the following day paid a flying visit to H. L. Sunderbruch's place at Rosebank, where they found everything in excellent condition. They then visited the establishment of Julius Peterson about a mile distant. Mr. Peterson is

gaining quite a reputation as a rose grower. A short span to the south house of carnations was looking well, and his house of violets is the finest I have seen this winter. Of cyclamens he has 1,500 plants 15 to 24 inches across and they were a sight. After taking lunch with Mr. Peterson at his home, and listening to some excellent piano music by Mr. Dorner, who can play the piano as well as he can grow carnations, several other places at Beechwood were visited, and the party then called on Mr. Witterstaetter. Friend Richard certainly ought to have some good things among his numerous seedling carnations.

H. L. Sunderbruch shipped \$200 worth of orchid blooms in one order the past week to St. Louis. These were grown at Rosebank.

We are sorry to hear of Mr. Geo. Gause's illness.

Mr. Peterson has sold the bulk of his cyclamen plants in Pittsburg, Philadelphia and Washington.

There is an over-supply of holly in this market.

Ben George shot at a supposed burglar in his greenhouses last Saturday night. Nobody hurt, only a few broken glass, where Ben's bullets let in the cold.

Wholesale prices on the 24th were as follows: American Beauties 50 to 75, other roses 10 to 15, carnations 2 to 6, valley 6, Romans 1 to 3, narcissus 4, callas 20, violets 3, chrysanthemums 5 to 15, adiantums 1.50, fancy ferns 15 cents. Everything was cleaned up in the commission houses. WM. MURPHY.

#### Rochester, N. Y.

At the time of writing every florist in the city is as busy as he can be, the stores are thronged with prospective buyers and not a single hand is idle. Cut flowers sell well and there seems to be no scarcity in any line, excepting perhaps scarlet carnations, but everything sells, and the demand is brisk. *Lilium Harrisii* is in fairly good supply, callas are plenty and these together with stevia, begonias and some carnations and roses form the bulk of flowers demanded for church decorations, while roses, carnations, bouvardias, hyacinths, valley, mignonette and violets go mostly to private houses. A few late chrysanthemums are in the store windows and sell at advanced prices. Dainty violet boxes lined with silk lace handkerchiefs are the favorite present with the most fashionable people. The same lace handkerchiefs are used in boxes of orchids, which are in good supply at some of the stores, consisting of *Cypripedium insigne*, *C. Spicerianum*, cattleyas, *Ociscidium Barkeri*, and *O. varicosum*, *Dendrobium Phalaenopsis Schroederi*, *zygotetals*, *Phajus grandifolius*, *Laelia anceps* and *Laelia autumnalis*.

The sales in plants are reported as good. Palms of every description take the lead, especially kentias and *Cocos Weddelliana* of fair sizes, araucarias are in good demand, rubbers, *Dracaena fragrans*, *Lindeni* and *Massangeana* are called for frequently, and large plants of *adiantum* and other ferns, preferably the so-called holly leaved fern, *Cyrtomium falcatum*, are among the best selling plants. In blooming plants everything from a primrose to an expensive pot of orchid is offered and pans of violets, hyacinths and valley, along with well grown plants of *Begonia incarnata grandiflora* seems to sell faster than anything else. Azaleas go off slow on account of the light color; if we had an early bright red, they would be in great demand. Taking it all to-

gether the retailers here may be well contented with their sales this Christmas and as many orders will come in late on the last day presumably the bulk of the sales will compare favorably with former years. Great quantities of ground pine, holly and laurel have been sold, most of the stores having disposed of their plentiful supply before Monday. Many men here as well as in other cities are going from house to house offering holly and ground pine wreaths for sale, and in several cases they represent themselves to be in the employ of one or the other well known florists firm, thinking perhaps the name of the florists would help to sell their inferior goods. J. B. K.

#### Pittsburg.

Business has been very good for the past two weeks, and this week, with the Christmas decorations in addition to the regular trade, has kept all the florists busy. Prices have been satisfactory and supplies plenty. The demand for trees was larger than last year, but the market was not overstocked, as was the case then, so there was no slump in prices. Ground pine was very scarce, commanding an advance to 15 cents per yard as against 5 cents in '94.

Wm. Lorne, who makes at this season a specialty of trees, holly, laurel, etc., reports a very satisfactory trade, and says he will be on hand better equipped than ever next year.

The florists who have stands on the Allegheny Market House made very handsome holiday displays. These stands are different from those in market places in other cities; the building itself is an enclosed one covering a square of ground and is open every day all the year round, having ice boxes and every convenience for working. All arranged compactly, and being necessarily close together, the displays gives to the observer the idea of a grand floral exhibit; the dealers in vegetables and fruits also take great pride in the arrangement of their articles, vying with the florists in display work, and indeed they make a very good second in the competition, as in fact one display sets off the other, the variety adding beauty to all.

The weather has been not at all scasonable lately, much too warm for Christmas. The writer is sitting with the window wide open as in summer, the thermometer standing at 66°, but still we Pittsburgers are getting some comfort out of it, as it has rained so that a rise in our rivers has enabled the coal men to ship large quantities of coal south, which will bring plenty of money back here and improve trade. REGIA.

#### St. Louis.

Cut flower trade during the past week has been generally satisfactory; there was no over-production of anything. The growers are not picking their full stock, but are holding them back for the holidays. The indications are that the trade will not be fully up to last year's demand. The cloudy and rainy weather we have had for a week now will shorten the supply very much for the holiday trade, and stiffen the prices of all stock with the exception of Romans. There is a decided scarcity of carnations, and the prices have stiffened up on them during the past few days. Daybreak and Scott bring 6 cents, others bring 4 and 5. Roses are not plentiful, as most of our growers around here are off crop, and with the cloudy weather held back what little they would

have had. Perles are bringing now 8 cents, Bridesmaid and Woottons 12, Brides 15, and Beauties \$1, violets 50 cents.

At the next meeting of the Florists' Club, which is January 9, a scholarship to the Missouri Botanic Garden will be voted upon. There are now two applications in the hands of the president.

The Bowling Club had no rolling Monday, as all members expect to be busy. The next rolling of the club will be on Monday night, December 30, to end the series of 12 games. Mr. C. C. Sanders and F. C. Weber are a tie for the clover leaf medal for the highest single score, 241, and J. J. Beneke is in the lead for the average medal. J. J. B.

#### Baltimore.

In spite of all pessimistic predictions the Christmas trade proved as good as could possibly have been expected, brisk demand and fair prices being the rule. Violets were held at \$1.50 to \$2, more going at the former price than the latter. Roses did not climb quite so high, very fair Perles being obtainable at 6 cents, while choice Brides, Kaisersins and La France could be had at 8 and 10. Although the supply of valley was not excessive yet there were some very nice bunches in the windows and ice boxes. Roman hyacinths at 4 cents were fairly plentiful, as were paper whites.

Stores were, as usual, brightly decorated and the streets were crowded with eager buyers during all of Monday and Tuesday. At night the crowds about Lexington and Charles streets were so dense that the only thoroughfare for haste was the middle of the street. In short all trades report the best Christmas business for years, and the flower trade was no exception. Some very choice cyclamen and ardisias were offered at \$1 to \$1.50 each and were apparently in good demand at that.

The club meeting Monday night came near being no meeting, the members who turned out seeming more anxious to adjourn than to do anything else. It was decided to have a smoker and social reunion the second Monday night in January.

The charity ball decoration was by Black, and was very well done. Wild smilax was used in profusion, an immense curtain of it being suspended over the front of the stage, and that in connection with the festooning of the galleries formed the chief features.

The quality of cut flowers that our growers produce seems improving every year. It may be questioned whether better roses can be had anywhere than our Baltimore county men are turning out, and carnations are just as good.

MACK.

#### Duluth, Minn.

This city has an excellent system of parks, including Lincoln Park, 50 acres; Central Park, 100 acres; Garfield Park, 125 acres; Lester River Park, 20 acres; Cascade Park, Portland Square Park and seven other smaller breathing spots now in course of improvement. In addition to the parks there are 15 miles of boulevard finished and in course of construction.

During the year there was expended for the acquirement of land the sum of \$17,189.06, and the total amount expended since the institution of the park system is \$269,263. In addition to this there has been donated to the city and dedi-

cated for park purposes lands that are estimated to be worth \$228,000, making the total value of all park property, not including improvements, \$497,263.08, and the total area about 211 acres. Other lands included in the present system but not yet acquired will increase the total area to 400 acres.

#### Catalogues Received.

W. P. Simmons, Geneva, O., plant novelties, including geraniums; Mitchell Greenhouse, Mitchell S. D., retail list cut flowers; Henry F. Michell, Philadelphia, trade list seeds; Wayland Nurseries, Wayland, Mich.; nursery stock.

#### Slope of Roof.

Has anyone tried to ascertain the least slope of roof with which butted glass will carry off water without too much drip? I have tried a slope of one in three but it was not very successful. A. M.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—As gardener by a reliable man. Address V, care American Florist.

**SITUATION WANTED**—As assistant florist establishment; several years' experience. Not afraid of work. Address GEO. MAIN, Gloversville, N. Y.

**SITUATION WANTED**—As foreman or manager on private or commercial place by a thorough practical grower of roses, carnations, violets, bedding and decorative plants; best references. Address A. M., 35 Cortlandt St., New York.

**SITUATION WANTED**—By florist and gardener. English, 19 total abstainer; thorough practical grower of orchids, roses, violets, chrysanthemums, carnations, ferns, palms, etc.; forcing fruits and vegetables; expert florist and decorator; first-class fruit, flower and vegetable gardener; disengaged through place being closed; excellent references. EDWARD FIRKINS, Walwick, New Jersey.

**WANTED**—An active, industrious married man to take charge of small greenhouse and florist business. Good wages paid to the right man who can hustle for business. Good opening, or would rent premises. Address J. B. HARSH, Creston, Iowa.

**FOR SALE**—Five greenhouses, located in the healthiest climate of the west. For particulars, address Box 562 Canon City, Colo.

**FOR SALE**—30-acre farm, 12 greenhouses, stocked with carnations and violets. Large house and barn. Part of the purchase money may remain in property. Possession given at once. Address I. LARKIN, Toughkenamon, Pa.

**FOR SALE**—Two greenhouses, connected each 18x50, potting shed and sleeping room; stocked with carnations, violets, chrysanthemums, lilies and a general assortment. Hot water. Southern Wisconsin; city of 7,000. No competition. Other business. X Y Z, care American Florist, Chicago.

**FOR SALE**—Old established florist business in good condition, 700 feet of glass, 4 acres land, well stocked with roses, carnations, violets, and general stock, in eastern connection. Would like to go into other business. For particulars address E & H, care American Florist, Chicago.

**FOR SALE**—Greenhouse and full stock complete at Delaware, Ohio, a city of 9,000 inhabitants, having a large college trade to draw from; short distance north of Columbus and in direct connection by three R. R.; direct R. R. connection with Toledo, Cleveland, Springfield, Dayton and Cincinnati. Will sell at early date at great bargain; correspondence solicited. N. F. OVERTURE, Delaware, Ohio.

#### THE

## Color Chart.

We can supply extra copies of the color chart that appeared in the Convention Number at

25 CENTS EACH.

AMERICAN FLORIST CO.

P. O. Drawer 164,

CHICAGO.



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Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
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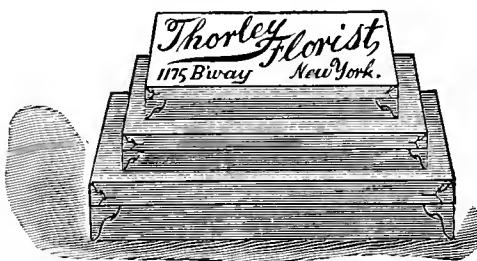
No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to se-  
cure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

A FLORIST in a Pennsylvania town has  
been cultivating the conductors and  
motormen of the street car lines by pre-  
senting them with boutonnieres.TENNESSEE SUBSCRIBER.—1. To kill  
fungous germs. 2 Sow latter part of  
January or early February under glass.  
Give full name and address with future  
queries or we cannot answer.WHEN you write us do not fail to give  
your full name and address. We cannot  
answer inquiries the source of which we  
do not know. And we answer questions  
for subscribers only.WE HAVE RECEIVED from H. S. Rupp &  
Sons, Shiremanstown, Pa., a box of prim-  
ula blooms, which present some very at-  
tractive colors, especially in the crimson  
shades. Rupp & Sons make a specialty  
of these flowers and are specialists in  
their line.MR. ELMER D. SMITH, the well known  
florist of Adrian, Mich., had an unpleas-  
ant experience while returning from the  
recent carnation meeting of the Cincin-  
nati Club. He was a passenger on the C.  
H. & D. express which crashed into the  
rear end of a freight train on a siding at  
Milton, O., while running at 45 miles an  
hour. Fortunately the engineer set the  
air brakes before he jumped or the results  
would have been frightful. As it was the  
passengers escaped with a severe shaking  
up. The engineer and fireman were both  
seriously injured and it is feared the  
former will die. A misplaced switch  
caused the accident.International Horticultural Exhibition at  
Dresden.The vacancies caused by the deaths of  
the Honorary President and First Presi-  
dent of the Commission have been filled  
by the appointment of the present Mayor  
of Dresden, Mr. Beutler, as Honorary  
President, and the election of Mr. Rudolf  
Seidel, the nurseryman of Laubegast, near  
Dresden, as First President of the Com-  
mission. Messrs. F. Bouche, director of  
the Royal Garden at Dresden, and Mr. L.  
R. Richter, nurseryman at Striesen, Dres-  
den, are second and third.The work on the exhibition grounds  
proceeds satisfactorily. The beautiful  
main building is nearly ready, as is also  
the surrounding park. The annexes to  
the main building will be commenced  
this month and all will be ready for the  
opening next May.**A. & F. RÖLKER,**  
**Down-town Wholesale Florists,**  
106 & 108 Liberty Street (Basement),  
**NEW YORK.**

The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary  
requirements.**THE NATIONAL FOLDING BOX & PAPER CO.,**NEW YORK SALESROOM:  
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

**LONG'S FLORISTS' PHOTOGRAPHS.**

FOR USE IN TAKING ORDERS.

Sets from \$1.75 up. 176 Subjects.

For Priced Circular, apply to Supply  
Dealers, or the Publisher.**DAN'L B. LONG, Buffalo, N. Y.****W. ELLISON,**  
**WHOLESALE**  
**Cut Flowers and Florists' Supplies**  
**WIRE DESIGNS.**  
**1402 PINE STREET,**  
**St. Louis, Mo.****C. A. KUEHN,**  
(Successor to ELLISON & KUEHN.)  
**Wholesale Florist,**  
**1122 PINE STREET,**  
**ST. LOUIS, MO.**

A complete line of Wire Designs.

**WISCONSIN FLOWER EXCHANGE,**  
**Cut Flowers, Palms, Ferns,**  
**AQUATICS.**See our December Monthly before arranging for Spring  
Catalogue. Sample free on application.

Box 87.

**MILWAUKEE, WIS.****H. L. SUNDERBRUCH,**  
**Wholesale Florist**  
**4TH AND WALNUT STREETS,**  
**Cincinnati, O.****The Boston Flower Market**is prepared to purchase, on order, and  
ship Trade orders for Cut Flowers at  
prices ruling in the market on day of  
sale. TERMS STRICTLY CASH.Address **WM. J. KENNEDY, Mgr.,**  
Flower Market, Park St., BOSTON, MASS.  
Long Distance Telephone "Haymarket 638."**Cut Smilax**

15 CENTS PER STRING.

**THE NATIONAL PLANT CO.**

CASH.

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**FLOWERS AT WHOLESALE.**

Strictly Commission Business.

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LISTS FREE.**BUFFALO, N. Y.****SAMUEL S. PENNOCK,**  
**Wholesale Florist**1612 & 1614 BARKER STREET,  
Bet. Market & Chestnut, **PHILADELPHIA, PA.****"The National"**Folding Flower Boxes are the best  
and most convenient ever put upon  
the market. They are made from  
board, manufactured especially for  
these goods, and made so as to resist  
moisture, thereby keeping the flow-  
ers fresh, and the box holding its  
shape.**THE NEW YORK**  
**CUT FLOWER CO.,**  
119 and 121 W. 23rd St., and  
112 and 114 W. 24th Street,  
**IS NOW**  
**OPEN FOR BUSINESS.**  
*The Largest Dealers in*  
**CUT FLOWERS**  
*IN THE WORLD.*Handling flowers of all kinds in quantity  
we are in a position to fill shipping orders  
promptly. We shall give careful attention  
to this branch of the business, and solicit  
your patronage.**Asparagus Plumosus Nanus.**

Cut Strings, 8 to 10 feet long,

**50 CENTS.****W. H. ELLIOTT, Brighton, Mass.****WHOLESALE**  
**FLORISTS****JOEBERS IN**  
**FLORISTS'**  
**SUPPLIES,**  
**FLORISTS'**  
**VASES.**METS,  
BRIDES,  
GONTIERS,  
CARNATIONS,  
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Always mention American Florist.

**WELCH BROS.,**  
**Wholesale Florists,****NO. 2 BEACON STREET,**

Near Tremont St.

**BOSTON, MASS.**PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

**E. H. HUNT,**  
**WHOLESALE FLORIST**  
 68 Lake Street, CHICAGO.  
**WHOLESALE CUT FLOWERS.**  
**SEEDS, BULBS AND ALL**  
**FLORISTS' SUPPLIES.**

**KENNICOTT BROS. CO.**  
**Wholesale Cut Flowers**  
 and FLORISTS' SUPPLIES,  
 88 Wabash Avenue, CHICAGO.

**T. J. GORBREY & CO.,**  
**Wholesale Commission Florists**  
 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

We are now prepared to furnish Florists' Wire Designs and a full line of Florists' Supplies.  
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 Successors to J. B. DEAMUD & CO.,  
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 Consignments solicited. Prompt attention to all orders.

### Wholesale Markets.

#### Cut Flowers.

##### HOLIDAY PRICES.

NEW YORK, Dec. 24.	
Roses, Beauty, extra grades.....	50.00@125.00
" " calls.....	5.00@10.00
" Perle, Cuslo, Watteville.....	6.00@10.00
" Bride, Bridesmaid, Testout.....	6.00@16.00
" Meteor, Morgan.....	6.00@20.00
" Common mixed stock.....	2.00@6.00
Carnations, ordinary.....	1.00@2.00
" fancy.....	1.50@3.00
Violets.....	.75@2.50
Valley.....	3.00@4.00
Harrill.....	10.00@12.00
Mignonette.....	4.00@25.00
Roman hyacinths and paper white.....	1.00@2.00
Cyrtipediums.....	10.00@15.00
Cattleyas.....	30.00@40.00
Adiantum.....	.75@1.00
Asparagus.....	50.00@60.00
Smilax.....	10.00@12.00

##### HOLIDAY PRICES.

BOSTON, Dec. 24.	
Roses, Gontier, Niphotos.....	4.00@8.00
" Perle, Hoste.....	6.00@10.00
" Bride, Bridesmaid, Mermet.....	10.00@25.00
" Meteor.....	12.00@25.00
" Beauty.....	25.00@100.00
Carnations.....	2.00@3.00
" fancy.....	4.00@5.00
Violets.....	1.00@2.00
Valley.....	3.00@4.00
Harrill.....	12.00
Paper white narcissus.....	1.00@2.00
Romans.....	2.00@3.00
Stevia, Marguerites.....	1.00
Mignonette.....	4.00@12.50
Cyrtipediums.....	12.00
Adiantum.....	1.00
Asparagus.....	50.00

##### CHICAGO, Dec. 27.

Roses, Beauties.....	35.00@75.00
" " seconds.....	8.00@15.00
" Brides.....	8.00@10.00
" Bridesmaid, Mrs. Whitney.....	8.00@10.00
" Morgan, Siebrecht.....	8.00@10.00
" Meteors.....	10.00@15.00
" Testout.....	10.00@15.00
" Perles.....	8.00
Carnations.....	3.00@4.00
" fancy.....	5.00
Harrill.....	12.50@15.00
Valley.....	4.00
Roman hyacinths.....	3.00
Narcissus (paper white).....	4.00
Violets.....	2.00
Tulips.....	6.00
Mignonette.....	2.00
Smilax.....	15.00

##### ST. LOUIS, Dec. 24.

Roses, select stock.....	8.00@18.00
" ordinary.....	6.00@10.00
" Beauties.....	5.00
Carnations.....	3.00@6.00
Valley.....	5.00@6.00
Harrill.....	15.00
Callas.....	12.00@15.00
Romans.....	3.00@4.00
Paper white narcissus.....	4.00
Mignonette.....	6.00@8.00
Violets single.....	.50
" double.....	1.00@2.50
Smilax.....	15.00@18.00
Asparagus.....	75@1.00
Adiantum.....	1.00

##### BUFFALO, Dec. 25.

Roses, Beauties.....	50.00@75.00
" Meteors.....	12.00@20.00
" Bridesmaid, Mermets, Bride.....	12.00@20.00
" Cuslo, Perle.....	10.00@15.00
Carnations, fancy.....	3.00@5.00
" common.....	3.00@4.00
" short.....	2.00@3.00
Romans.....	4.00
Valley.....	5.00
Violets.....	2.00@3.00
Adiantum.....	1.25
Smilax.....	12.00@18.00
Asparagus.....	60.00

**GEORGE A. SUTHERLAND,**  
 Successor to PECK & SUTHERLAND,  
 Successors to WM. J. STEWART,  
**Cut Flowers and Florists' Supplies**  
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**SPECIAL EXTRA STOCK OF**  
**AM. BEAUTY, METEOR,**  
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**DISBUDD CARNATIONS.**  
**FANCY GRADE.**

**CATTLEYA LABIATA,** splendid blooms.

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Roses Shipped to all points. Price list on application.

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Careful Shipping to all parts of the country.  
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 A first-class opening for a few good consignors.

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 111 WEST 30TH STREET,  
 Established 1879. NEW YORK CITY.

**JULIUS LANG,**  
 (Formerly with THEO. ROEHRS.)  
**Commission Dealer in Cut Flowers,**  
**WHOLESALE,**  
 53 West 30th St., NEW YORK CITY.

## The Seed Trade.

### AMERICAN SEED TRADE ASSOCIATION.

S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-  
bers St., New York, Sec'y and Treas.

#### Bean Growing in California.

There is a delightful little valley near Santa Barbara, fronting on the beach, sheltered on the ocean side by the Santa Barbara Island, and on the land side by the great coast range, which here drops back in a semi-circular form, to make room as it were for this gem of beauty and productiveness. The fortunate possessors of homes in the Carpinteria valley are prosperous, contented and happy. The singularly sheltered location of this valley coupled with the wonderful fertility of the soil renders it available for some special products which few other sections can grow successfully.

More than twenty years ago a farmer in the Carpinteria experimented with the Lima bean. None of them had been grown on this coast for market at that time. The experiment proved a perfect success. Every requisite for producing this variety in its perfection seemed to be supplied here. A remunerative price was readily obtained for the mature bean. From this time others began to grow them. The demand grew with the increase of the product. The profits became much greater than were those of any other farm crop, which proved a great stimulus to improved methods. Something like exact science was finally reached in the matter of the preparation and cultivation of the soil. The primitive way of harvesting by hand, where one man could cut one acre per day by hard work, was superseded by a simple horse power device, with which one man could cut fifteen acres per day. Also implements were invented for cultivating the land before planting, which facilitated the work in like manner. To the credit of these farmers let it be said that the machinery for the successful cultivation and harvesting of this crop was invented by them.

As a matter of course the success of the industry in the Carpinteria soon attracted wide attention, and farmers in other parts of the state began to make trials to grow the Lima bean. Their efforts, though, proved to be failures. One section, however, that of the Santa Clara valley of the south, in Ventura county, and only about twenty miles from the Carpinteria, would seem to possess nearly all the requirements in soil and climate. But some way the business did not "pan out" right as the "forty-niner" would say. The Carpinteria farmers had their eyes on the operations in Ventura county, however. They noticed that their own farms were usually from ten to twenty acres, while the Ventura farms averaged at that time about one thousand acres to each farmer. They noticed also that the farming was done in a slipshod out-of-season fashion that would not succeed even in their own section. Finally some of them rented small tracts of land in the Santa Clara valley and instituted their methods of farming. When lo! Dame Nature smiled upon them. Ye rancher on a thousand acres came around to see how it had happened that the despised "small farming" had resulted in as much clear gain from a few acres as he had received from his thousand. Other practical bean growers settled in the valley and the shipments of Limas from Southern California doubled, trebled, and quadrupled—when finally improved facilities had ren-

dered large farming practicable. However, the average yield per acre, about one ton, continues larger in the Carpinteria valley than in most other places.

Although numerous attempts are made to grow the Lima bean in other sections of the state the fact remains that nearly all of this variety shipped from California came from the extreme southern part of Santa Barbara county, and from the valleys of Ventura county lying near the coast. The little valley of the Carpinteria sends out about one hundred car loads, and those of Ventura about twelve hundred car loads annually. (Estimate of 10 tons each).

At times in the history of this industry the product increased faster than the demand, but cheap goods forced a larger market and ultimately a much greater demand, until now little fear is entertained of low prices because the yield will probably decrease on account of extensive orchard planting. The deep rich loamy soil so requisite for the Lima bean is also required to produce the best results in English walnut, apricot and lemon orchards.

The methods adopted here in growing and harvesting the Lima bean could not be pursued in countries where rain falls during the summer season. The cultivation proper is all done during the winter and spring and before the beans are planted. The cultivation is very thorough and by the best of implements.

After all danger of rain is passed in the spring, say from the 1st to 20th of May, the seed is put into the ground in rows about forty inches apart and from six to fourteen inches in the row with machines which plant from two to four rows at a time. After the crop is well up and growing some weeds will have started too. These are destroyed by using a horse-power weed knife, which passes just under the surface of the ground, killing the weed in one or two rows at a time without disturbing the soil, which is by this time perfectly dry on top. As the season advances the plants send out their vines over the dry surface, until the ground is finally hidden from sight, and thus, all through the latter part of our rainless summers, thousands of acres may be seen covered with beautiful light green foliage.

In the latter part of September the beans are all cut loose from the ground a little below the surface and are forked into piles convenient for pitching onto wagons. They are then allowed to dry in the sun for about two weeks before thrashing. Formerly all thrashing was done in the following manner: A round space on the ground sixty to eighty feet is made quite wet, then it is wagoned over, packed and smoothed down and allowed to dry hard. Two or three big wagon loads of beans are placed in a ring on this floor during very dry clear weather. Formerly horses attached to light wagons were driven over the beans (usually two or three teams at a time), till they were all shelled from the pods. The vines are then thrown off and more beans from the field placed. This process is continued until there are many tons of beans on the floor under those that are being thrashed out. After this the whole mass of chaff and beans is run through winnowing and screening machines and the beans placed in sacks of seventy-five to eighty pounds each and are ready for market. Of late years the teams on the floor are attached to disc machines instead of wagons, which greatly facilitates the work.

The process of thrashing by large steam machines which clean up from fifty to

seventy-five acres of beans per day, has more recently been adopted by most of the large growers. It is a singular fact, however, that while the expense to the farmer who employs the steam thrasher is usually five dollars per ton, the work is done by the first named method at about four dollars per ton. The machine threshed beans also have to be re-cleaned before they are marketed, and are broken so much that they are never fit for the seed trade. Yet there is one great advantage with the steam thrasher. The rainy season, so called, is approaching and a shower is liable to fall in October while the threshing process is in full blast, so that any beans that are caught on the floors are ruined if they do not manage to cover them in some way, while by the machine process all beans are sacked as they are threshed.

Nineteen years ago an eastern seed firm having learned of the successful culture of the Lima bean in this section, made arrangements to have a small lot grown, to be used in his business. The project proved to be a feasible one. Other wholesale seedsmen gradually came into this field and made contracts for seed. Some of them were at first unfortunate in dealing with careless farmers, the business proving unsatisfactory. The demand upon careful seed growers, however, increased until they virtually held a monopoly of that branch of the seed business in the United States, the writer having had contracts with eastern seed houses amounting to nearly one hundred and fifty tons in a single year. Within the past two or three years the extensive wholesale dealers in beans for all purposes have been securing the contracts of seed houses and farming them out to whoever would grow them for the lowest price, with the result that an inferior grade for less money is now being supplied, while the careful and successful seed growers have mostly gone out of the business into other horticultural pursuits which promise better returns for their skill.

This history it will be noticed is of the Lima bean in particular because it constitutes the main bean industry of this section and because it is the only section where they are grown in quantity, as has already been stated, yet some hundreds of carloads of other varieties—notably the small white beans—are grown here for the eastern markets. These are produced also in other parts of the state. The same process of cultivation and harvesting is in the main adopted for all varieties.

For the benefit of some readers it might be well to state even at this late date in the history of agriculture in California that these crops are grown without irrigation and without any rain from the time the seed is planted till the beans are harvested, unless it be that an unwelcome shower is liable to come in the harvesting season in the month of October.

Santa Paula, Cal. L. B. HOGUE.

One of the best posted men in Ventura sends the following estimate of the production of beans in Ventura and Santa Barbara counties. He estimates that the cars average 10 tons each.

#### VENTURA COUNTY.

1893—Limas 1,500 carloads.  
" Other sorts 750 carloads.  
1895—Limas 1,100 carloads.  
" Other sorts 600 carloads.

#### SANTA BARBARA COUNTY.

1893—Limas 250 carloads.  
" Other sorts 4 carloads.  
1895—Limas 120 carloads.  
" Other sorts 5 carloads.

The year 1894 is not given because of failure on account of drouth, the only failure in 18 years.



## A SALE AT LAST

Of goods you are wanting, and at prices to suit you.

**RATTAN FIBER MATS, 6x6 FEET.**

Something new and indestructible, each \$2.

**STRAW MATS, 6x6 FEET.**

Made from selected rye straw and tied with tar rope, \$1.50 each; \$15.00 per dozen.

**WOOD PRESERVING PAINT.**

Warranted to keep out rain or snow, gal. \$1.25

Thermometers, japanned, 8-in. 15c; 10-in. 20c.  
Gishurst Compound, sure death to all insect life, pound box 40c.

**WM. ELLIOTT & SONS,**

54 & 56 Dey Street, NEW YORK.

## ASTER SEED.

Having cleaned the seed of my celebrated strain of Asters, undoubtedly the best strain for florists' cut flowers; excellent for indoor growing in summer, each plant producing from one dozen to four dozen flowers, from 3 to 6 inches in diameter, on stems from 18 to 24 inches in length:

**SEMPLE'S WHITE**, a pure white.

**MISS MARY J. SEMPLE**, shell pink.

and a few light lavender.

For sale in any quantity by the grower. The Trade supplied at special rates.

**JAMES SEMPLE, Box 2, BELLEVUE, Allegheny Co., PA.**

## NORTHROP, BRASLAN, GOODWIN CO.

Being **GROWERS** we are in a position to supply **Seeds of First-Class Quality** and to make **specialty low prices**. A trial will convince those who have not yet found this out.

**NORTHROP, BRASLAN, GOODWIN CO.**

20 to 28 Hennepin Ave., MINNEAPOLIS, MINN.

55, 57 & 59 N. Jefferson St., CHICAGO.

## ORCHIDS OUR SPECIALTY.

**THE FINEST STOCK AND SELECTION IN THE WORLD.**

New and Rare Plants for the Stove, Greenhouse and Conservatory.

**SANDER, St. Albans, England, & Bruges, Belgium.**

A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106 and 108 Liberty Street, New York City  
Send for illustrated catalogue.

## FERN SPORES.

H. B. MAY offers the above in about 200 of the best and most useful varieties. All spores carefully saved from own stock, which is the largest in the trade.

Priced List on application.

**H. B. MAY, Dyson's Lane Nurseries, Edmonton, London, England.**  
Mention American Florist.

## WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus

AND

**LILUM HARRISII.**

Special low prices on application.

**WEEBER & DON,**

Seed Merchants and Growers,

114 Chambers St., NEW YORK CITY.

## TELEGRAPH CODE

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In either stiff or flexible cover.

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**AMERICAN FLORIST CO.,**

P. O. Drawer 164. CHICAGO.

**CALCEOLARIAS AND CINERARIAS.**

A superior strain.

CALCEOLARIAS, spotted and striped, ready for 3-inch pots, \$3.10 per 100. In flats, \$2.00

CINERARIAS, 2 1/2-inch, 2.50

S. Whitton & Sons, City & Green Sts., Ulster, N. Y.

**EXTRA CHOICE FLOWER SEEDS.**

List free on application.

**FRED. ROEMER, SEED GROWER,**

QUEDLINBURG, GERMANY.

**WE ARE HEADQUARTERS ON  
BULBS FOR FORCING,  
FLOWER SEEDS FOR FLORISTS  
ENGLISH MUSHROOM SPAWN.**

Special prices on application.

**JOHN GARDINER & CO., Seedsmen,  
631 Market St., Philadelphia, Pa.**



**TRY DREER'S**

**GARDEN SEEDS,**

Plants, Bulbs & Requisites.

They are the best at the

lowest prices. Trade List is

issued quarterly, mailed free

to the trade only.

**HENRY A. DREER,  
Philadelphia, Pa.**

When writing mention the American Florist.

## Plant Auction.

**SALES EVERY TUESDAY AND FRIDAY  
THROUGHOUT THE SEASON.**

**A. & F. RÖLKER, Auctioneers.**

106 Liberty Street, NEW YORK.

**W. A. MANDA,**

MERCHANT, GROWER, IMPORTER & EXPORTER OF

**FLORISTS'**

**Plants, Seeds and Bulbs.**

**NOVELTIES A SPECIALTY.**

The Universal  
Horticultural Establishment, SOUTH ORANGE, N. J.

## PANSY SEED.

**THE JENNINGS STRAIN OF FINEST**

**AMERICAN CROWN PANSIES,**

In pkt. of 2500 seeds, \$1.00, very finest mixed, all colors.

Large flowering plants all sold.

**E. B. JENNINGS, Pansy Grower,  
Southport, Conn.**

Box 251



## Cyclamen Giganteum.

Now is the time to sow. New crop of Seed has just arrived in fine condition from the largest Cyclamen grower in Europe.

100 seeds	\$2.00
Giganteum Album, white.....	\$2.00
" Robrum, red.....	1.00
" Roseum, pink.....	1.00
" Mixed, all colors.....	1.00

## Verbena Seed.

New crop just received—grown for us by a specialist. Seed saved from **MAMMOTH** flowers only, and of strictly the brightest and most salable colors, all with large distinct eyes. **NOW** is the time to sow seed if you wish strong plants **FREE FROM RUST.**

**CHOICEST mixed**, per oz. \$3.00; per 1/2 oz. 50c.

**SMILAX SEED**, New Crop, 40c. per oz.

Send for our Wholesale Price List, now ready, for a full list of Fresh Flower Seeds.

**CANE STAKES**, 6 to 9 feet long; extra fine quality. \$5 per 1000; \$100 for \$3

**HENRY F. MICHELL,**

1018 Market Street, PHILADELPHIA, PA.

## Complete Catalogue

OF

**Fruit Tree Stocks, Ornamental Trees,  
Shrubs, Evergreens, Roses, Etc.**

Grown by

**P. SEBIRE & SONS,**

**USSY, (Calvados), FRANCE.**

will be mailed on application to their sole Agents,

**C. C. ABEL & CO.,**

P. O. Box 920. NEW YORK.

Mention American Florist.

300 Acres in Nursery. 1 Acre of Glass.

## Specialties for Florists.

Per 100

Cardenias, bushy, 15 to 18 inches..... \$12.00

Crevillea, 12, 18 and 24 inches..... \$6.00, \$8.00 & 15.00

Eugenia Jambos, 12-15 inches..... 12.00

Camphor, 12-18 & 36-40 inches..... \$8.00 & 25.00

Cuava Red Cattley, 15-20 inches..... 12.00

Magnolia Fuscata, 8, 15 & 20 in..... \$12, \$15 & 25.00

Olea Fragrans, 6, 10 & 20-15 in..... \$8, \$12 & 20.00

Oranges & Lemons, grafted on dwarf stock,

blooming size, stocky, 10-12 & 15-18 in..... \$25 & 40.00

Otaheite Orange, bushy, 10 & 12-15 in..... \$8 & 15.00

Stock of above all pots grown, ready now to ship,

and in best possible condition.

**FIELD-CROWN ROSES**, including 10,000 M. Niel,

budded: Fruit and Ornamental Trees, Rare Conifers, etc. Send for Trade List and Descriptive Catalogue.

**P. J. BERCKMANS,**

Fruiland Nurseries, AUGUSTA, GA.

Per 100

DRACAENA INDIVISA, 3 1/2, ready for 5 & 6..... \$6.00

ADIANTUM GRACILIMUM, 2 1/2-inch..... 2.50

HYDRANGEA OTAKSA and THOS. HOGG, 2 1/2-in. 3.00

BEGONIA METALLICA, 3 1/2-inch..... 5.00

ROOTED CUTTINGS of all general stock..... 1.00

HELIOTROPE—New Dwarf, 2 1/2-inch pots..... 5.00

TUBEROSES—Pearl, 3 to 5 inches, \$1.00 per 1000.

**THE OAKS GREENHOUSE CO.,**

Wholesale Florists, Jackson, Mich.



## Kalamazoo, Mich.

The store recently erected by Van Bochove Bros. would do credit to a much larger city. It is 22x50 and is finished partly in white and partly in natural wood. Two French plate glass show windows, each 6x9, elaborate show cases, counters and a handsome ice-box are some of the noteworthy features about the place, while a spacious and handsomely furnished private office adds much to its general attractiveness.

In the rear of the store and immediately adjoining it is a 20x40 conservatory filled with fine decorative plants. It is equipped with latest improvements, the paths are wide and the floors cemented throughout.

The chrysanthemum show given at this store was a decided success. There was music in addition to the excellent display of flowers, and in addition to the good general results in an advertising way there were direct returns in the shape of an order for an elaborate wedding decoration. X.

## Springfield, Mo.

Business during the last three or four weeks has been very quiet, more so than during corresponding time last year. Prospects are good for the usual holiday trade. The chrysanthemum show given by W. A. Chalfant November 6 to 10 was attended by several thousand visitors. He reports sales of cut blooms about the same as last year, but a falling off in the demand for potted plants. He made a large number of entries at the St. Louis show, capturing several prizes. R. Koepen also gave a show of pot plants only.

The Williams Floral Co. have erected two houses 50x20; they expect to carry a general stock. Ed. Quinn has put in steam heating, taking out flues; his palm house is heated by hot water. C.

## More Information.

The *Chicago Tribune* is offering a prize for the best essay informing a woman how to begin earning her living with a capital of \$100. The appended "poem" is one of the essays; florists will no doubt pardon the limpness of the verse on account of the great truths contained therein.

## FLOWERS WILL MAKE THE DOLLARS.

Behold the woman all forlorn,  
Who woke up from her dreams one morn,  
And found her fortune had taken wing  
And flown away, leaving but a string  
Of a paltry hundred dollars.

What shall I do? Where shall I turn?  
For my living now I soon must earn.  
And there is so little that I can do  
To keep me in ease, and add a sou  
To the paltry hundred dollars.

She rented a room in a fashionable street,  
With the sign of "Florist" in letters neat,  
Then twenty-five dollars of what remains  
She spent in flowers, and adds the gains  
To the vanishing hundred dollars.

Chrysanthemums and roses rare,  
Pansies and violets all were there;  
Marguerites and jonquils and hollyhocks;  
She also sold the prosaic phlox,  
To bring in the sordid dollars.

As the years rolled by, her income grew,  
Her life was happy, her cares were few.  
She had money to burn and money to lend,  
And money to help a needy friend,  
With many cents and dollars.

So women in earnest, do not despair,  
The best is for those who do and dare,  
And the business of "florists" is not overrun,  
By men who are talking of 16 to 1,  
In the making of our dollars.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

## HERMOSA ROSES.

FIRST SIZE.....per 100, \$5.00; per 1000, \$45.00  
SECOND SIZE.....per 100, 7.00; per 1000, 10.00  
HOLLAND CROWN, 2 year, strong.....per 100, 10.00.

## H. P. ROSES, 2 YEAR (Budded).

All Leading Varieties.....per 100, \$10.00

CLOTHILDE SOUPERT, 8 to 12-inch, strong.....per 100, 10 00

## CLEMATIS (Jackmanni and type).

Holland grown, 2 year.....12 for \$3.75; per 100, \$27.50

Holland grown, 3 year.....12 for 4.80; per 100, 38 00

HYDRANCEA P. Cr., 4 feet, strong.....12 for 1.50; per 100, 10.00

## VAUGHAN'S SEED STORE, 84 &amp; 86 RANDOLPH STREET, CHICAGO.

## 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

## NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

## MUSHROOMS

The Money Making Crop.

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LILAC Marie Legraye, pot-grown.

CLEMATIS, extra strong.

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Strong one year, mostly Jackmanni, potted up now will make fine blooming plants for spring sales. \$2.00 per dozen; \$15.00 per 100.

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ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

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VIOLETS.

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Good medium sized plants from frames, \$5.00 per 1000. All others inaccessible at present. Cash with order.

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100 PIN OAKS, 8 to 12 feet.

100 WHITE OAKS, 8 to 10 feet.

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Cocos Weddelliana...	\$12.00	\$55.00	\$100.00
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Geonoma Schottiana...	15.00	65.00	120.00
Latania borbonica...	2.75	12.00	20.00

Send your order at once if you wish to receive first-class seeds

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## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
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Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

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150,000 Pear, standard and dwarf.  
100,000 Plum, best European and Japan.  
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100,000 Nut bearing trees.  
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## CARNATIONS.

## LAST CALL FOR GERANIUMS.

5000 Double GEN'L GRANT..... } \$2.00 per 100; \$15.00 per 1000.  
3000 " LA FAVORITE..... }

Strong, well-rooted cuttings ready for prompt shipment. All others sold out.

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SCOTT, MCGOWAN, METEOR, BRIDESMAID, and other sorts now in sand and ready for shipment. Clean stock and fair prices. Send for December Trade List.

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## HERR'S CARNATIONS.

ROOTED CUTTINGS that will give good results, because they come from healthy stock, and will be well rooted when sent out.

VARIETIES—McGowan, Mrs. Fisher, Daybreak, Scott, Aurora, Sweetbrier, Rose Queen, Peachbloss, Dorner, Stuart, Portia, Buttercup, Keller, Iago, Cartledge, Tidal Wave, and all novelties.

Don't place your order before writing to me, no matter if it's a hundred or a hundred thousand, I can fill it.

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Stood the test of the sharpest competition of the crack growers of Seedling Carnations of the West, and secured 88½ points, against all light pinks; being the highest points and the only light pink Carnation granted a Certificate of Merit at the Florists' Club Carnation Exhibit at Cincinnati.

COME AND SEE THEM.

ONE HUNDRED DOLLARS in Cash Premiums offered for the best 50 blooms of DELLA FOX in the fall of 1896.

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## CHINESE PRIMROSES,

in bud and bloom. 4-in pots at 6 cts.

## CARNATIONS, ROOTED CUTTINGS.

McGowan, Scott, Mrs. Fisher and Rose Queen. Ready January 10th.

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## CARNATIONS A SPECIALTY.

Rooted Cuttings. Young Plants. Field Grown Plants in season. Write for prices.

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## CARNATIONS!

The two leading varieties

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Buy from the originator and procure genuine stock. CUTTINGS NOW READY.

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ROSE QUEEN, DAYBREAK, WM. SCOTT, VAN LEEUWEN, TIDAL WAVE, Etc.

Write for price list.

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## Eldorado, Kitty Clover

The best YELLOW CARNATIONS to grow for profit. ROOTED CUTTINGS now ready, @ \$5.00 per 100. Also 30,000 strong rooted cuttings of suitable kinds for summer bloom.

LADY CAMPBELL VIOLETS, rooted runners, @ \$1.00 per 100; \$5.00 per 1000.

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E. G. HILL, PORTIA, FRED. DORNER, EDNA CRAIG, MME. ALBERTINI, WM. SCOTT, MRS. HITT, \$5.00 per 100.

All other kinds sold.

Terms, cash with order.

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## DOUBLE PETUNIAS.

In 10 varieties, \$1.25 per 100 by mail. Orders booked now for Rooted VERBENA CUTTINGS, 20 vars., \$5.50 per 1000, express prepaid.

C. HUMFELD, Clay Center, Kan.

Paterson, N. J.

Joseph Towell's carnations are doing very well this season. He grows a quantity of Alaska, Lizzie McGowan, Day-break and the now famous Minnie Cook. This last named variety has become so popular that the demand is far greater than the supply; they always bring a good price, and seem with the other striped varieties to be quite a fad. In whites Alaska and Lizzie McGowan seem to do equally well; both flower continually and have fine long stems, but Alaska has the advantage of a very stiff stalk, and stands up well without support. Mr. Towell pulls out the old plants of Alaska and McGowan right after Easter and replants with his young stock. During the summer months he removes every second light. The plants have done very well this way and have been flowering since last April. At the present time they look as if the crop has just come in.

In roses Mr. Towell grows Bride-maid, Bride, Perle, Wootton and American Beauty. They all look very well; the Bridesmaid have been blooming very well and fine flowers, but the warm weather of a few weeks ago brought in the Christmas crop a week too soon and they are not cutting so many just now. Wootton also looked very well, the flowers on long stiff stems with fine dark green foliage, but there is small demand for this rose in New York.

Mr. Towell has two fine houses of Asparagus plumosus and has been cutting a good crop of Cypripedium insigne. The Christmas trade in Paterson so far has not been very lively, but the florists expected it to pick up by Saturday.

S. M. T.

Syracuse, N. Y.

During the past week trade has been very good, large orders for funeral work coming in. Many people thought a few years ago that set pieces would die out, but certainly it does not hold good here.

The outlook for Christmas is very good. Roses will be scarce and high. The demand now seems chiefly for carnations and violets. Of the latter P. R. Quinlan will have 10,000 for Christmas trade.

We have had a week of phenomenal weather, the glass several days reaching 65° in the shade. The bright days have helped flowering stuff, but has drawn the carnations considerably.

I have never seen so many Christmas trees on the market before, and the number that are sold speaks well for the prosperity of the people. Holly is plentiful and fairly well berried, and has been largely used the past week in several large social doings, to the exclusion of flowers.

H. Y.

St. Joseph, Mo.

Trade with us has been somewhat spasmodic during the entire season, a few busy days followed by as many more on the other extreme. There has been a good deal of funeral work and a number of weddings which helped to swell the sales, but nothing elaborate.

Roses as a general thing are looking well. Beauties have been exceptionally fine, but we cannot say as much of carnations and violets. September is our time for lifting and housing these plants, but this season were deterred on account of the hot winds prevailing through the month, ending up with a hard freeze, giving the plants so severe a check that they are slow to recover from it.

R.

## NEW CROP

**Cibson's Progressive Verbena Seed**, an advance on all previous productions. Well grown specimen flowers of many of the kinds 1½ inches across and easily span a silver half dollar, and of the most intensely brilliant and varied colors. In fine mixture per trade pkt. 25c; ¼ oz. 50c; per oz. \$3. White Plume, separate per trade pkt. 30c; ¼ oz. 60c; per oz. \$4. Purple, with distinct white eye, per trade pkt. 30c. Trial pkt. 10c either kind.

**Penula Cat**, Giant, finest selection, per 100 seeds 60c. Single fringed, Dreer's selected stock, per 1000 seeds 10c. The Wonderful Dakota Primrose, 2 to 4 inches across, 101 seeds 10c. Scabiosa Snowball (pure white) and mixed colors, per pkt 5c; trade pkt. 2 c. Dwarf French, gold striped Marigold, pkt 5c; trade pkt. 25c. Verbena, stock plants, 3 in, including latest novelties labeled, \$4; mixed \$3; from flats, labeled, \$2.50; mixed \$2; rooted cuttings 90c per 100; \$8 per 1000.

**No disease. We grow the largest Verbenas known.** Variegated Vincas, strong field-grown, 3-inch 5 to 8 shoots, \$5; nice young plants, flats, \$2; rooted, \$1 per 100, \$8 per 1000. The beautiful new Star Carnas, the set of 15 magnificent kinds \$4.3 and 10c. Dry roots, single eye, \$5 per 100 all named. Mixed Crozy Seedlings, dry \$3 per 100. For other interesting specialties see descriptive list, gratis.

All reliable stock sent post free  
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Alternanthera, red and yellow, ..... \$ .80 (0) per 1000, \$ .75  
Cuphea platycentra (Clgar plant), ..... 1.50  
Double Golden Marqueterie, ..... 1.50  
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Fuchsias, double and single, ..... 2.00  
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Cash with the order. Selection to remain with us.

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One Walker & Pratt Boiler, sixteen section, in good condition. Suitable for either steam or hot water. Price low. Apply to

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Three-Piece Wood Mailing Boxes.

The neatest and strongest box in the market. Send 15 cents in stamps for sample nest. We also make Cut Flower and Express Boxes. This Lumber sawed to order for packing.

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as it possible to obtain, of both old and new varieties. If you want a choice collection for a special purpose, I have studied your business and can give you varieties suitable to your purpose  
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Have been fully indorsed by the  
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## Begonias, Gloxinias.

500,000 Bulbs of our Noted Strain for Sale.  
PALMS, AZALEAS, PICUS, ARAUCARIAS, SWEET  
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At Quality, Small Profits, Perfect Packing, Prompt  
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A peerless jewel among Chrysanthemums. A sport from Ivory; a better keeper and of somewhat stronger growth, otherwise identical with the parent, except in color, which is a beautiful shell pink. The blooms have had a phenomenal sale in the New York market during the present season. Stock plants are now offered at the following prices:

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A large, beautiful white of great depth; distinct in color and form. Strong stem and fine foliage. 3½ feet. Certificate of Merit Horticultural Society, Chicago. First Class Certificate N. C. S. (See Am. Florist, Nov. 16)

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Earliest large white, cut on October 9th. Best early white to date. Price, 50 cts. each; \$5.00 per dozen.

NEMESIS, MISS M. M. JOHNSON, J. H. TROY, PARKER, Jr., 50 cents each; \$5.00 per dozen. MARION HENDERSON, MAJOR BONNAFFON, MADAME F. BERGMANN, YELLOW QUEEN, and all the staple varieties, 25 cents each; \$2.50 per dozen.

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100 Rooted Cuttings, in 20  
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Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery from March 1st. Cultivated Cycas always on hand, rooted and well established, at low prices.

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Golden Wedding, yellow, E. Dailledouze, Major Bonnaffon, Yellow Queen, Challenge, Minerva, W. H. Lincoln, Mrs. Whilldin, Ivory white, Mme. F. Bergmann, Domination, Tuxedo,	Queen, Niveus, M. Wanamaker, Mrs. Jerome Jones, Eminilida pink, Pres. Smith, Harry Balsley, V. H. Hallock, Vivand-Morel, Geo. W. Childs, Marie Louise, and others,
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Most approved bedding sorts, largely Semi-Double and Single scarlets. Double and Single white, pink, salmon, dark crimson and a variety of other choice colors.

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Herr's Pansies. A strain right up to the top notch of perfection. 75c. per 100; \$5.00 per 1000. Stock grown by Daniel K. Herr.

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**M. B. LITTLE, Clens Falls, N. Y.**

Mention American Florist



## News Notes.

VAIDEN, Miss.—Mrs. F. A. Grantham has added another small house (40 feet) this year.

PROVIDENCE, R. I.—Quincy Parker, one of the oldest florists in the state, died at his home on Davis street on December 17.

FALLS CITY, NEB.—B. Simanton has rebuilt and enlarged his house, using butted glass. He lost some glass by hail last summer.

COUNCIL BLUFFS, IA.—The Southwest-ern Iowa Horticultural Society has elected officers as follows for 1896: J. P. Hess, Council Bluffs, president; E. W. Lotts, Harrison county, vice-president; Geo. Van Houten, Lenox, secretary and treasurer. This city was selected as the place for next meeting.

PAWTUCKET, R. I.—On the morning of December 17 William Johnson, a well known florist of this city, was struck and instantly killed by an electric car at Central Falls. Mr. Johnson's horse had become frightened and it was while trying to hold the animal that he was thrown across the track directly in front of the car. He leaves a wife, two daughters and one son.

TACOMA, WASH.—The Tacoma Gardeners' and Florists' Association has been organized with officers as follows: E. R. Roberts, president; F. C. Smith, vice-president; Bruno Lehmann, secretary; H. Manike, treasurer; A. A. Hinz, W. Russell and John Tillin, trustees. The association intends to hold two exhibitions each year, one in the spring and a chrysanthemum show in the fall.

## Greenhouse Building.

Purchase, N. Y.—Trevor L. Parks; large palm, orchid, fern, rose, carnation and plant houses, thirteen in all.

Portchester, N. Y. Y.—J. W. Quintard, six houses for palms, roses, grapes, etc.

Stamford, Conn.—Chas. Schofield, one conservatory.

New Haven, Conn.—H. L. Hotchkiss, one large conservatory.

All the above are being erected by Thos. W. Weathered's Sons.

## A Natural Mistake.

She is a very affable woman, and she would invariably say the right thing at the right place if she were not near sighted.

"I see," she said, as she entered the drawing-room of her friend, "that you have caught the annual craze."

"To what do you refer?"

"The rage for chrysanthemums. And that one which you have tossed so carelessly into the corner is one of the biggest and most beautiful I ever saw. What an exquisitely odd color."

"Yes," was the reply: "It's beautiful and I prize it very highly. Only it isn't a chrysanthemum. It's my Skye-terrier taking a nap."—Washington Star.

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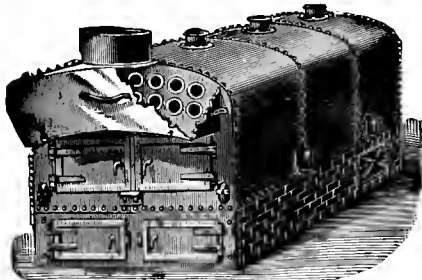
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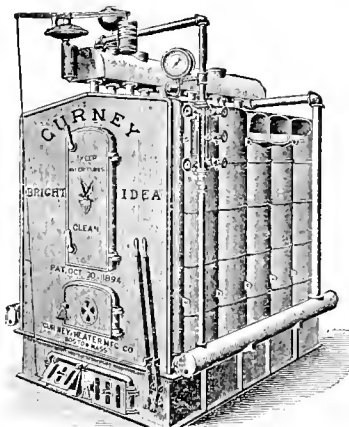
Is unreliable because it depends upon the elements for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The DE LAMATER-RIDER CR DE LAMATER-ERICSSON Hot-Air Pumping Engines are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable, require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

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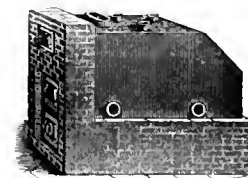
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## News Notes.

PLATTSMOUTH, NEB.—W. J. Hesser reports good sales of palms during the past season. He is devoting himself almost exclusively to wholesale trade in this line.

CARROLLTON, MO.—Geo. W. Kennedy, proprietor of Hillside Greenhouses, has just finished a new house 10x100; this gives him over ten thousand feet of glass, hot water heating.

ANDOVER, MASS.—The business formerly conducted by Playdon & Allen will in future belong to J. H. Playdon, not H. G. Playdon, as previously stated. His address is 35 Lowell street.

WEBSTER, MASS.—Mr. Carl Klebart has started in the business the past season and erected about 1,100 feet of new glass, heating by hot water. Mrs. A. L. Converse has recently added a new house 100x15, heating by flue.

OMAHA, NEB.—S. R. Faulkner, who recently started in business at 906 S. 40th street, has put up one good house and will add another in the spring. He is situated in a good residence district and expects to build up a fine trade. Cut flower trade in Omaha is fairly good.

BUTLER, MO.—Mr. Holloway has retired from the firm of Holloway & Spear, nurserymen, and the firm name is now Spear & Son. J. B. Paget has sold his nursery and florist business to C. I. Roberts, and will shortly open a seed store here, intending to devote his attention to that business in future.

MARSHALL, MICH.—The past season trade in cut flowers and decorative plants has been very quiet; in bedding stuff fair, but taken altogether trade has been discouraging. Chrysanthemums very plentiful at Thanksgiving time, prices low, 25 to 35 cents for 6 or 7-inch pots; 30 to 40 cents per dozen flowers retail.

KANSAS CITY, MO.—At the meeting of the Western Association of Wholesale Nurserymen held here December 17, the death of H. T. Kelsey of St. Joseph was announced. He was president of the association for several years and held that position at the time of his death. A committee was appointed to prepare suitable resolutions. The executive committee was instructed to continue its efforts for the restoration of former rates of nursery stock in carload lots, which have recently been raised. The following were elected officers for the ensuing year: D. S. Lake, Shenandoah, Ia., president; R. H. Blair, Kansas City, vice-president; U. B. Pearsall, Lansing, Kas., secretary and treasurer; executive committee, W. F. Heikes, Huntsville, Ala., chairman; Peter Younger, Geneva, Neb.; F. H. Stannard, Ottawa, Kas.; J. H. Skinner, North Topeka, Kas.; W. P. Stark, Louisiana, Mo. A committee of six was appointed to prepare a petition to congress asking for the restoration of duties upon foreign grown nursery stock.

## FLOWER POTS.

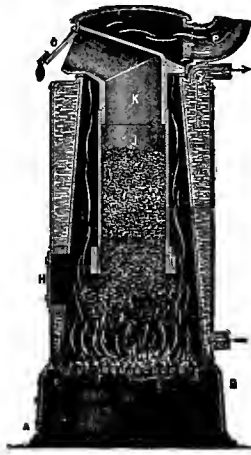
We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

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Send for our new price list, with extra discounts. All of our Pots from 7-inch and upwards have our Patent Excelsior Bottom, which is a great advantage as it insures perfect drainage.

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## Announcement to Florists.

We desire to announce the dissolution of the firm of Siple Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

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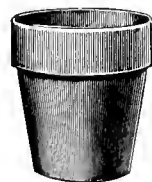
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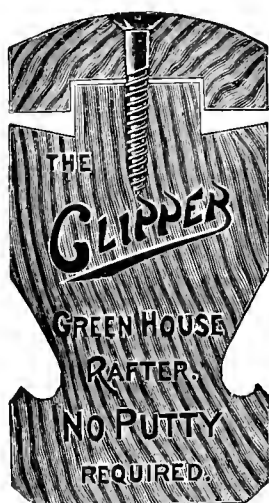
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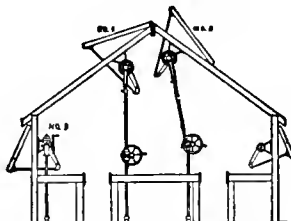
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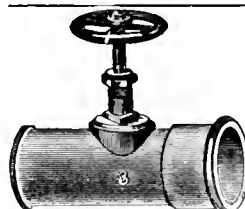
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EQUAL  
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Prices per Pair  
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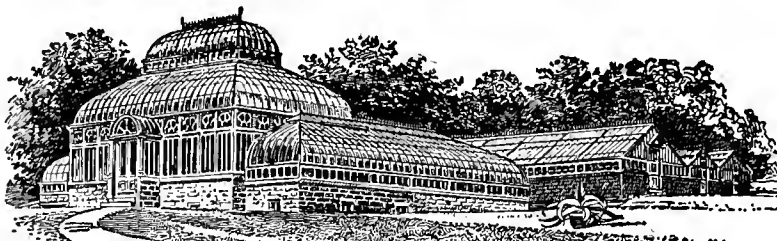
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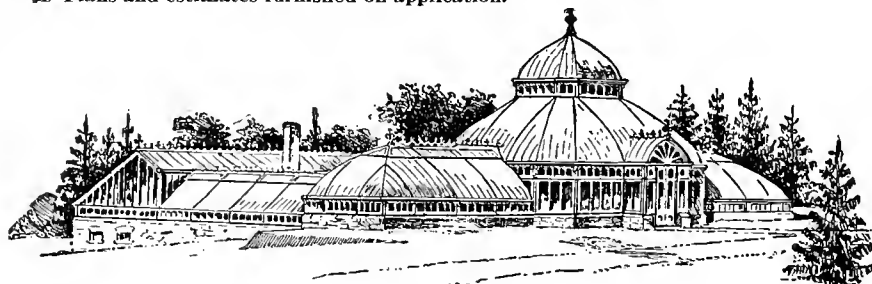
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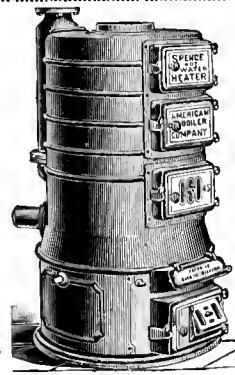
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# NEW DIRECTORY.

We are now at work on a corrected edition of our Directory and Reference Book, which will be issued in January, 1896. The list of those in the trade will be corrected up to date and there will be many additions to and changes in the check lists of roses, chrysanthemums and carnations. The old reference matter will all be retained in corrected form and several new features added, including a check list of cannas, which cannot fail to be appreciated in view of the growing commercial importance of that plant. We are now ready to receive orders for advertising in the book, rates same as in last edition.

**AMERICAN FLORIST COMPANY,**  
P. O. Drawer 164, CHICAGO.

# THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XI. CHICAGO AND NEW YORK, JANUARY 4, 1896. No. 396

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY,  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### SOCIETY OF AMERICAN FLORISTS.

WM. SCOTT, Buffalo, president; ADAM GRAHAM, Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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THE HOLIDAY TRADE seems to have averaged up considerably better than expected in view of adverse conditions in many sections. And prices averaged well too.

### Society of American Florists.

President Wm. Scott has appointed the following gentlemen members of the executive committee of the S. A. F. for three years, beginning January 1, 1896: Wm. K. Harris, Philadelphia, Pa.; John G. Esler, Saddle River, N. J.; W. N. Rudd, Mt. Greenwood, Ill.



What is the trouble with the rose plant of which I send specimen? I suspect it is club root, and I find many small white worms, thickness of a fine pin and one-quarter to one-half inch in length and small black beads. They are not easily seen except one looks very closely for them. I find the same pest in the Harrisii lily pots, and they are playing havoc among the roots, causing the lilies to have a sickly yellowish appearance, which I attribute to the ravages of the above mentioned insect or worm.

Is it the eel worm or what? There is much doubt among many of the profession as to what the eel worm really is. I would like to see it explained at length in the columns of the AM. FLORIST.

R. W.

An examination of the roots of the plant received shows the trouble to be the eel worm; it may not be the sole cause, but if the plant in question was a fair sample of what are left nothing else would be needed to ruin the house. The white worms mentioned are not eel worms, and it is a question if they do any damage to either roses or lilies; however, they can be dispatched very easily by giving a liberal top dressing of soot or wood ashes. The eel worm cannot be seen by the naked eye; it is so small that it requires a very powerful microscope to discover it; it is generally found in the roots of grasses, clover particularly, and in this way gets into our rose houses and into our plants.

A few years ago when it was giving rose men so much trouble in certain sections it was thought that animal manure possibly was responsible for it, and to prove the truth of the theory, also as an experiment, no manure was used, or if used was first subjected to a degree of heat which it was thought would kill all insect life; the experiment, however, was not satisfactory, and it is now conceded that they have their origin in the soil and not the manure.

I do not know how this minute insect manages to get into the root in the first place, but when once there it probably increases in numbers very rapidly, and soon takes possession of every particle of active root. My opinion in regard to them is that they move around in the sap (not only in the roots but all through the plant) either impeding its flow or

poisoning it to such an extent that the plant eventually drops its foliage and dies. The knotted roots are a certain indication of eel worm, and wherever it exists it is the greatest folly to propagate from stock affected, being almost certain in my opinion to propagate the pest with the rose.

As to a remedy, experience has shown that it is impossible to reach the insect when once it is inside the bark without using something powerful enough to destroy the plant; it is just possible, however, that we may be able to kill some of those still in the soil; watering with strong lime water frequently and giving drenchings of clear water almost every day has seemed to help in some cases, a dry light soil suits them exactly, and they are at home in it, while given conditions exactly opposite they will find their surroundings uncongenial.

If the plants are in a very bad state it won't pay to bother with them, but if there is any hope they may be encouraged by stimulating them to more vigorous growth. The probability is that little can be done this season, and in order to avoid a recurrence of the trouble next year it will be necessary to secure perfectly healthy stock and never let it come in contact with a particle of soil similar to that used this year; choose soil from a different locality by all means, avoiding any that is light and from high dry land, choosing rather heavy loam from the lowlands if possible. The eel worm is perhaps the worst enemy of the rose, and the only way to fight it successfully is to keep it out of the rose house at whatever cost.

ROBT. SIMPSON.

### Second Year Beauties.

Can Beauties be carried over to the second year and be made profitable? If so, what treatment will produce this satisfactory result? N.

The second year after American Beauty was distributed, young plants being scarce and high priced, we concluded to run the old plants over a second year, but the experiment was not a success, and I have never repeated it. The plants bloomed profusely, but came in crops and were nearly all short stemmed, and on that account were practically useless, for a short stemmed Beauty is usually a sorry looking thing. That it is impracticable to run Beauties a second year must be generally understood, as I do not remember having ever seen any except those already mentioned. Judging from my own experience and observations should say it is advisable to plant early, say during May or early in June, and having got all we possibly can out of them the first season be satisfied to throw them out and replant. ROBT. SIMPSON.



## Carnation Notes.

The reports of the Christmas trade read very encouragingly, and the carnation comes in for its usual share. At our place the cut of six large houses was entirely used for our home retail trade, and we were several hundred blooms short even then. My experience for the last six years, since I commenced to make carnations a specialty, shows very unmistakably with me that quality pays better than quantity.

Speaking of quality, a point much appreciated is the long keeping of a flower, especially at Christmas time. Those of my readers who had the good fortune to hear that very interesting lecture of Mr. Gibson's on the mysteries of flowers at the Pittsburg convention, may remember what he said on cross-fertilization, the mission of the insects in this work, and what he said in connection with this regarding the long keeping of some flowers. Taking the orchid for an example, where no fertilization can take place without the aid of insects, the long keeping of these very same orchid blooms, grown in the greenhouses in our latitude, is simply the waiting for the necessary insect to perform this act of fertilizing. But they wait in vain, for this very insect that performs this act in their native land is not present in our climate and the keeping of the flower is prolonged. We can draw a comparison with the carnation. In the first place Mr. Gibson or any naturalist would tell us that we are growing monstrosities, (they call all double flowers monstrosities) and in the end nature will deny reproduction. The double flower is the first step itself tending in that direction; for they generally produce seed very sparingly. The transformation of the anthers into petals deprives the flower of the pollen. In the double carnation this is only accomplished in part, for we find pollen more or less in many flowers; but we find also that in most cases the anthers with the pollen come in advance of the pistil, and are dead and gone before any fertilization can take place, keeping the flower waiting for the insect to bring the pollen from a younger flower or until it is wafted there by the wind. Here we have Mr. Gibson's theory of cross-fertilization, the same we practice in growing new varieties.

But you will say, what has that to do with the keeping of the commercial flower? To my impression very much, you know how quickly a flower closes up the petals, or as it is termed "gone to sleep," when fertilized. Well, you gather your flowers, those where the pollen is dead and gone, but the pistil kept waiting, and those who have the pollen yet with its productive power; they are gathered all together in one pile, sorted over, tied in bunches, placed in vases in water and set in a cool atmosphere. Now in this handling of the flower, may not some pollen grains find their way to the waiting pistil? A union may be formed, but is rendered inactive for the present by the cool atmosphere. This will be changed, when the flowers come into a warmer place, probably are used for some embellishment, and then show the bad manners of going to sleep,



ELMHOF, THE RESIDENCE OF MR. FRED, DORNER, LAFAYETTE, IND.

Again, you pack your flowers to be shipped hundreds of miles, the jolting of the ride, the tipping of the boxes over and over again by the expressman, may prove as effective as the hrush in the hand of the fertilizer. They may get heated on the way, another help to promote the mischief already done, and the same result may be the consequence, an early going to sleep. We see what mischief the little pollen produced by double flowers may cause. Now we have varieties with no pollen at all, and I find these are very good keepers, when not brought in contact with pollen bearing bearing varieties. Uncle John is one of them, the little pollen I have found always proved sterile, but it is a good seed producer when fertilized.

We will see to the other sexual part now and we have some varieties with deformed or imperfect ovaries and pistil, making them totally incapable of producing seed while they will produce very productive pollen, and these I find are extra good keepers. To my knowledge I can name two varieties, that belong to this class. Wm. Scott and Alhertini. I have tried my best to produce seed on them, but have failed in every instance; others may have been more successful, but I doubt it. The pollen of both varieties although sparingly produced is very productive. To all the good qualities of Scott this is one never much thought off, but one of great importance.

How often have I, and I suppose many others taken a handful of flowers fresh from the plants to a warm room, and these under apparently unfavorable circumstances have kept for a week and two weeks, while others picked at the same time going through the procedure of handling and packing close up in a short time.

I only cite this as one instance how commercial flowers may get spoiled, and this is one almost without remedy, and to the uninitiated it borders on the mysterious. There are other causes arising from neglect, accidents and circumstances unavoidable. FRED DORNER.

## Houses With Short Span to the South.

I believe the shading of one house by the other in cheap greenhouse construction on the ridge and furrow system or even-span houses, one attached to the other, gave the first idea of the short

span to the south house. By moving the ridge more to the south the evil of shading was overcome, and at the same time the rays of the low winter sun striking the short steep span more nearly at a right angle proved to be so much more effectual and beneficial.

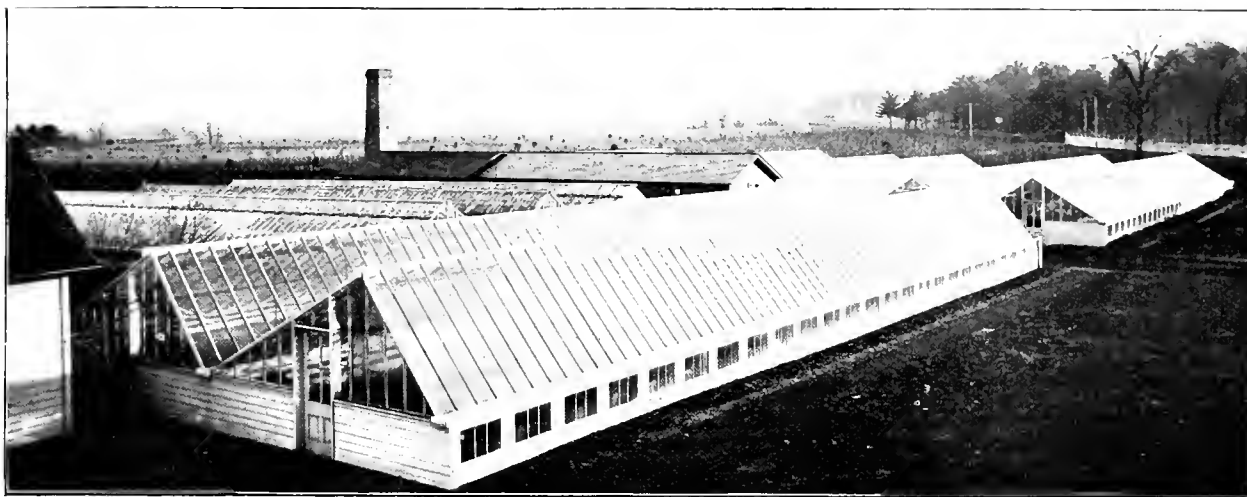
This is a time of the year when a short span to the south house will be appreciated. We have had little sunshine of late, and we appreciate the little so much more when we derive the full benefit of it. One has to experience the benefit to comprehend it fully. My experience has taught me that a short span to the south house is lighter; on cold frosty mornings the ice on the short south span is melted off an hour sooner than on an even or three-quarter span house; the increased sun heat in the house will help more to thaw off the long north span than the overshooting rays can do; nay more, at noon time these overshooting rays are nearer to touch the glass on the long north span than to the north side of an even span. Proof of more light is the need of more water in these houses. In snow storms no snow will lodge on the steep short span which will admit light and give at once the benefit of clear weather, while on the long north span snow will melt as fast, if not faster, than on the north side of an even span. As I said one has to experience the benefit through the four winter months, when the sun is lowest, to comprehend it fully. For the rest of the year I do not know any difference.

The benefits carnation plants may receive in such houses can easily be understood when we take their habits into consideration. FRED DORNER.

## Repotting Palms.

What kind of soil is best for palms, and is it advisable to add bone meal or other fertilizer? I want to repot my palms and improve their condition if possible. I have only a few and have to grow them in a mixed house. J. P. E.

A good fibrous loam, such as would be suitable for roses will answer very well for the ordinary trade species of palms, for instance, latanias, seafortthias, kentias and arecas, but if the loam is rather stiff and heavy it is improved by the addition of some sand or peat.



MR. FRED. DORNER'S SHORT SPAN TO THE SOUTH HOUSES LAFAYETTE, IND.

Bone meal is an excellent fertilizer for the purpose when used in moderation, about a five inch potful of bone meal to a wheelbarrow load of soil being a proper proportion, and some of the prepared fertilizers will give good results when used in about the same proportion, but with the latter it is well to experiment carefully, for an excess of fertilizers frequently gives rise to "spot" on the foliage. It would probably be safest to defer repotting until the days are longer, but little growth being made by most palms until after March 1, unless the growth is hastened by extreme heat.

W. H. TAPLIN.

#### Glazing.

"J. L. B." wants to know to remove the glass from a greenhouse where the same was bedded in the usual way, and then run along the edges of the glass on top, a thick coat of lead and oil, over which was sifted a coat of sand, was added. The best means I have ever tried is to cut the nails at bottom and top of rafter bars with a thin sharp nail chisel, one at a time, then with a block of wood laid flat against the bar hammer it steadily till it draws gradually away from the glass. This will leave one side of the glass loose and enable "J. L. B." to pull it away from the other bar by gentle lever power. Of course some may get broken in the operation, but with care a large proportion of the glass can be taken out whole. To finally remove the adamant-like material from the edges of the glass, so as to admit of its use again, is a more difficult matter. Muriatic acid is probably the best thing to soften it; put enough of the acid into a large tub or similar vessel to cover the bottom, say one inch deep, in this place the glass on edge, allowing it to stand 15 or 20 minutes, then reverse it and put the other side down. Then allow it to drain off and with a chisel remove the sandy composition. Of course the glass must be placed flat on a solid piece of wood before attempting to scrape off the putty, etc. If "J. L. B." has time at his disposal he can clean most of the glass in this way, but if the time is valuable at other work there will not be much money saved by attempting to clean off such glass, as it is a long tedious job.

In handling the glass during the time it is being treated to the acid above described it would be well to have gloves

on the hands to protect them as much as possible. Some other correspondents may know of an easier way to clean off such material from glass, and any improvement on above would be valuable to many of your readers.

JOHN N. MAY.

#### Violets Damping Off.

We are having trouble with our violets. We raise Lady Campbells in cold frames. We kept runners off till September 1. They looked and did well till middle of November, then mould began to come, and leaves at ground and buds began to damp off; soon the disease began to come, and they stopped blooming in a great measure. For three weeks we gave them all the air we could, but the mould came back as soon as they had been shut up for a few days. Frames are one foot at back and eight inches at front. We keep a thermometer raised an inch off ground at back of a frame and have it shaded by a plank. What ought we to try to keep it at in day time. This mould seems to be a wet white substance that rots the leaves and buds off. It seems to start at ground, and would eat its way to top of plant.

J. W. TAYLOR.

Your correspondent is one of many who find "mould" troublesome. It is generally caused by a damp, stagnant air. A light mulch of fine shavings from the planing mills would I think obviate the trouble. If it is very bad apply a slight dusting of air slacked lime, but do not let it get in the heart of the plant. Temperature is difficult to regulate in cold frames, but when the temperature gets above the freezing point, whether the sun is shining or not, give a crack of air.

GEORGE SALTFOED.

#### Luculia Gratissima.

ED. AM. FLORIST: I thought you would like to hear of the keeping quality of *Luculia gratissima*. Thanksgiving Day, November 28, I took a plant in flower into Mr. Lasell's house, kept it there twelve days, brought it back to the greenhouse where it is in flower yet December 21. December 7th, two weeks ago to-day, I took a plant to church, brought it home again on Monday and to-day cut the flowers off and used them. I may say that plant had forty-five trusses of flowers on it; the first had eight. There are plants in the dwelling now that have been there over a

week and they look as fresh as ever, the house is heated with furnace heat and lighted with gas. A plant with a few blooms will scent a whole house. I have three dwellings houses to keep in plants and flowers and *Luculia gratissima* is one of my best friends. GEO. McWILLIAM.

Whitinsville, Mass., Dec. 21, 1895.

#### Most Durable Material for Gutters.

"J. B. D." asks what is the best material for a gutter between two parallel greenhouses. The best and most durable I have ever found is good sound yellow pine, free of sap. This latter provision is absolutely necessary, as sap will rot in two years in such a position. To form such a gutter it is best to have the plank, of whatever width is desired, run through the mill planer; this makes it of even thickness and width, then have it cut to whatever length may be most suitable to have the joints come directly over post, which should be broad enough on top to allow good nailing space for each end of the gutter plates. In cutting off the ends of the gutters they should be so cut that when the ends come together the top of the cut should be slightly open and the bottom edges fit tight before nailing them in position. Thoroughly paint the ends with best linseed oil and metallic paints then nail in position. When all is in position take some oakum and a very thin caulking tool and pack each joint as tightly as possible, using a little of the same kind of paint to run into the oakum during the caulking process. When this is completed give the whole top surface of the gutter a good coat of the same material. When perfectly dry allow it to stand long enough to get thoroughly set, then take beveled strips of yellow pine of whatever depth required to form the sides of gutter, paint the edge which is to go next to gutter proper with thick paint of same material, give the sides of plate a coat also, then with steel wire nails thoroughly secure the strips to plate. If there is any danger of splitting the strips in nailing bore holes for the nails, particularly near the ends. If plenty of nails are used these strips can be made to fit down on the plate so close that it will be water tight when all is nailed on securely, the whole should have at least two good coats of paint, and the joints on the beveled edge pieces should be caulked like the gutter pieces. A gutter made this way and given a coat of paint once a year will last



as long as an ordinary greenhouse will in any other part that is exposed to the weather at all seasons; at least such has been the experience of JOHN N. MAY.

#### Fancy Bedding.

Under the title "Floral emblems," *The Independent*, of New York, in its issue of August 1, prints the following:

We suppose there is not a more intelligent horticultural journal in the United States than *Garden and Forest*; and for this reason we venture a few words on a subject which it frequently touches on with most contemptuous expressions, that of "floral emblems." Here are two paragraphs from its last issue. The first is about the appropriation for the Boston Common and Public Garden:

"What must be a considerable part of it goes into the floral emblems and other horticultural abominations which disfigure the Public Garden. The cultivated and intelligent Bostonians deplore the extravagance of their garden, and the example of bad taste which it sets; but it is generally praised by the press, and every year it grows more vulgar and less what a garden should be. A small part of the money spent in making the Public Garden ugly, would, if properly used, rid every tree in the city of insects."

The second has to do with Chicago:

"Greenhouses are to be erected near the Field Museum and here, we are told, 'floral displays' will be concentrated, expressing a higher grade of taste, one must hope, than those which have hitherto existed in other places in the parks of Chicago."

The reference in these paragraphs is to the showy beds in set colored patterns, made of coleuses, alternantheras, lobelias, etc., sometimes made to represent badges of army corps, and on the latest occasion in Boston the monograms and mottoes of the Christian Endeavor Society. Every visitor to Boston during the late meeting of that society, visited the Public Garden, and saw these beds prepared with great skill, and which certainly gave pleasure to ninety nine out of a hundred of those who sauntered along the broad walk, on either side of which they were displayed.

But we are told that we ought not to like to see them, that they are unnatural, "horticultural abominations," "vulgar," examples of "bad taste."

Perhaps so, wise pundit; but we would like to know why. The common taste approves them, the taste of the common people, for whom they were made, the people who pay the taxes. They are "generally praised by the press," if not by the professors of high horticulture. This ought to be some reason for providing them. It is true they are not naturalistic but what art is? There is not an abler or more sensible article in our symposium this week than that which proves that we are not to "follow Nature" with a capital N in education. The purpose of horticulture is not to follow nature but to change and improve it. What is a Bon Silene rose but a briar made unnatural? What is more unnatural than the specimen chrysanthemum, all the buds plucked off, and leaving one monstrous flower at the end of the stem, all for the display of a beautiful monstrosity? Why, the very issue of the journal from which we have taken these extracts recommends the Japanese yew for "topiary" effects, and what is "topiary" but the trimming of trees and shrubs into fantastic shapes of birds, animals, squares and rings, just "horticultural abominations," which, however, give pleasure? And this same issue has another word to say in appreciation of the old-fashioned formal beds of the last century gardening, all unnatural abominations.

Everybody likes to see decorations on a wall—wreaths, festoons, mottoes, made of evergreens or oak leaves. No one would venture to criticize them because they are unnatural or formal. It is precisely the same taste which likes occasionally, in proper surroundings, to see ribbon beds, pattern beds, insignia and mottoes reproduced on a formal lawn. People like it, and always will like these effects; and it is of no use to fight against their taste, which is not false, even if there be a higher taste. We would not have such a style of floriculture in the diversified scenery of Franklin Park or the Arboretum at Boston, where a more natural style properly is followed; but the Boston Public Garden is a small, level plot, admirably adapted along the sides of its straight, wide, central walk, for the most formal and elaborate effects; and after seeing the beds prepared to please the Christian Endeavorers we declare that they were pleasing to a catholic taste that is cultivated enough also to appreciate the style of the Arboretum; and we are sure that the visitors will long remember the little Public Garden, and its floral emblems and mottoes, with justifiable pleasure.

Under the heading "Unnatural Gardening," *Garden and Forest* comments on the above as follows:

When Hamlet counseled the players "to hold the mirror up to nature," he hardly meant that in their acting they should abandon themselves to

unpremeditated impulse. The most natural acting is the most studied art. So a natural garden is not one given over to the spontaneous and uncontrolled growths of nature, but one in which a finished artist intensifies the effects that nature produces by emphasizing a feature here and there, and eliminating every element that distracts from the central purpose of the scene. It is our belief that landscape art reaches its highest development when it deals successfully with the fundamental and permanent features of scenery, and with a broad handling of a few simple elements presents typical pictures which are instinct with the poetry of nature. In sincere work of this sort there will be no labored attempt to conceal the hand of man. An affectation of mere rusticity would strike a jarring note like any other sham. Any landscape to be enjoyed as a work of art must have artificial elements, and the severest taste will never disapprove of good honest roads and walks with trim turf borders simply because they are non-natural. Indeed, the artificial construction may be so arranged as to heighten the charm of the picture and add to our appreciation of the creative genius of its designer.

Of course, there are other fields of garden art, and a catholic taste has no controversy with any true art. There are contracted spaces to which an ornate and strictly artificial style is adapted. There are architectural terraces and monumental buildings which need the lines of formal planting to supplement and complete them. Along a stately promenade like the Riverside Drive in this city, where the foreground is strictly defined by a parapet, there is an opportunity within this limit for statues and fountains and floral embellishment of the most sumptuous and elaborate kind, and this would serve as a fitting framework for the prospect across the broad river with the forest crowned cliffs and the noble sky-line beyond. Many other places might be named where so-called decorative gardening and geometrical arrangements of flowering plants would be desirable, and wherever a real artist gives examples of his skill in this direction he commands the gratitude of every one interested in garden art.

All this we have stated before so often and with such fullness of detail that it ought not to be necessary to repeat it. We believe that formal gardening is a legitimate form of art, but it does not follow that we approve of all formal gardens. A design conceived by an artist with a refined sense of color and form, and with constructive ingenuity, is one thing, but a pattern bed, which is ugly in line and crude in color, is quite another. Every one has seen geometrical flower beds of such elaborate pattern that they never can be properly executed with plants as materials. Even where they are not intrinsically bad—that is, where the figure is pleasing and the colors are not constantly at war with each other—they are often placed where they are out of harmony with the general design and with the special features about them. Wherever in a public garden the recognized canons of art are violated it is the province of a journal devoted to the subject to criticize such displays, and we have not hesitated to appeal to those in authority and who are, therefore, in a substantial way educators of the people, to furnish examples of gardening which will not offend the purest taste. But there are worse sins than those we have named, and there is no occasion here to characterize such efforts as the portraits of eminent men or the maps of different states wrought out on the turf with houseleeks and echeverias. Such subjects, with the imitations in color of flags and banners, badges and mottoes, are too trivial for serious consideration. They discredit the very name of garden art. Wherever used they can only disfigure our parks, and are accurately described as horticultural abominations.

Of course, shams of this sort cannot be spoken of with any toleration. They are on a level with the weeping willows made of human hair, which we sometimes see. There is no more excuse for permitting their use in a public park than there would be for decorating a city hall with the portrait of the mayor done with little sea shells. In regard to this spurious art we are led to explain our position once more because so intelligent a person as the editor of *The Independent* evidently conceives that our sole objection to it is based on the fact that "these floral pictures are not naturalistic," and on this assumption he argues that the same objection lies against every cultivated plant and gardening of all kinds. This statement is in the main true; but we have often argued that even in the natural treatment of a landscape there must be artificial elements which ought to be frankly used. We advocate formal gardening within proper restrictions, for the very reason that it is formal. When we protest against wall paper designs it is not because they are unnatural, but because they violate artistic principles in form and color and location. We need not here repeat the specific exceptions we have taken against some of the displays in the Boston Public Garden and certain western city parks, but it ought to be stated that there are in our view serious objections to these works from economic and other points of view aside from the fact that many of them are puerile, others are discordant in color or whimsical in form, and nearly all of them are badly placed.

It is argued in favor of these flower beds that "the taste of the common people approves them." No doubt, there are many persons among those whom the editor of *The Independent* classifies as "com-

mon people" who agree with him in admiring this so-called garden art. It is true, also, that there are many persons who take greater delight in the chromo-lithograph of a horse race than in one of Rubens' canvases, and yet when a city government founds an art gallery for public enjoyment and instruction it does not fill it with chromos. There are people to whose ears the melody of Grandfather's Clock is more pleasing than the Tannhauser Overture, but when a city furnishes music for the people its aim should be to furnish good music. When a public building or statue or monument is to be erected, the authorities are justly criticised if they do not entrust the work to artists of the first rank. Boston has wisely engaged Mr. Olmsted to design her public parks. Why not consult an artist of equal rank to furnish some permanent scheme for treating her Public Garden? Men entrusted with the expenditure of the people's money should aim to improve the public taste, if it is bad, rather than pander to it.

We are by no means convinced, however, that a majority of the common people, whoever they may be, approve this kind of gardening. There is nothing more snobbish or vulgar than the notion that the best art is beyond the appreciation of the great bulk of the people. They like good architecture, good pictures, good music, and whenever they have the opportunity to admire a good garden they show their appreciation of it. When Boston was full of delegates to the Christian Endeavor convention the Public Garden was thronged, as a matter of course, with strangers, who inspected with interest the reproduction of their emblems on the grass. It is probable that they would have had greater admiration for an honest effort at a genuine garden. Many of them have taken pains to assure us of this fact by letter, and one lady expressed her bitter disappointment at finding "floral fashions in Boston" which would not be tolerated in the Kansas town where her home is. Really, the bulk of our people despise shams and artifice more and more. No one now thinks of sending to a lady a heart constructed of white carnations and pierced with an arrow of crimson ones. Floral designs imitating fiddles and bells and pieces of furniture have given place to simpler arrangements of more harmonious color. The same change is coming in the treatment of our pleasure grounds. The picture of four men of life size rowing in a boat will not again be seen spread out in gaudy colors on the turf of any American park, and it is to be hoped that the famous American eagle with a glass eye, and the Gates Ajar, constructed with bits of blue stone to furnish a detail when flowers of that color were not at hand, have both passed away forever.

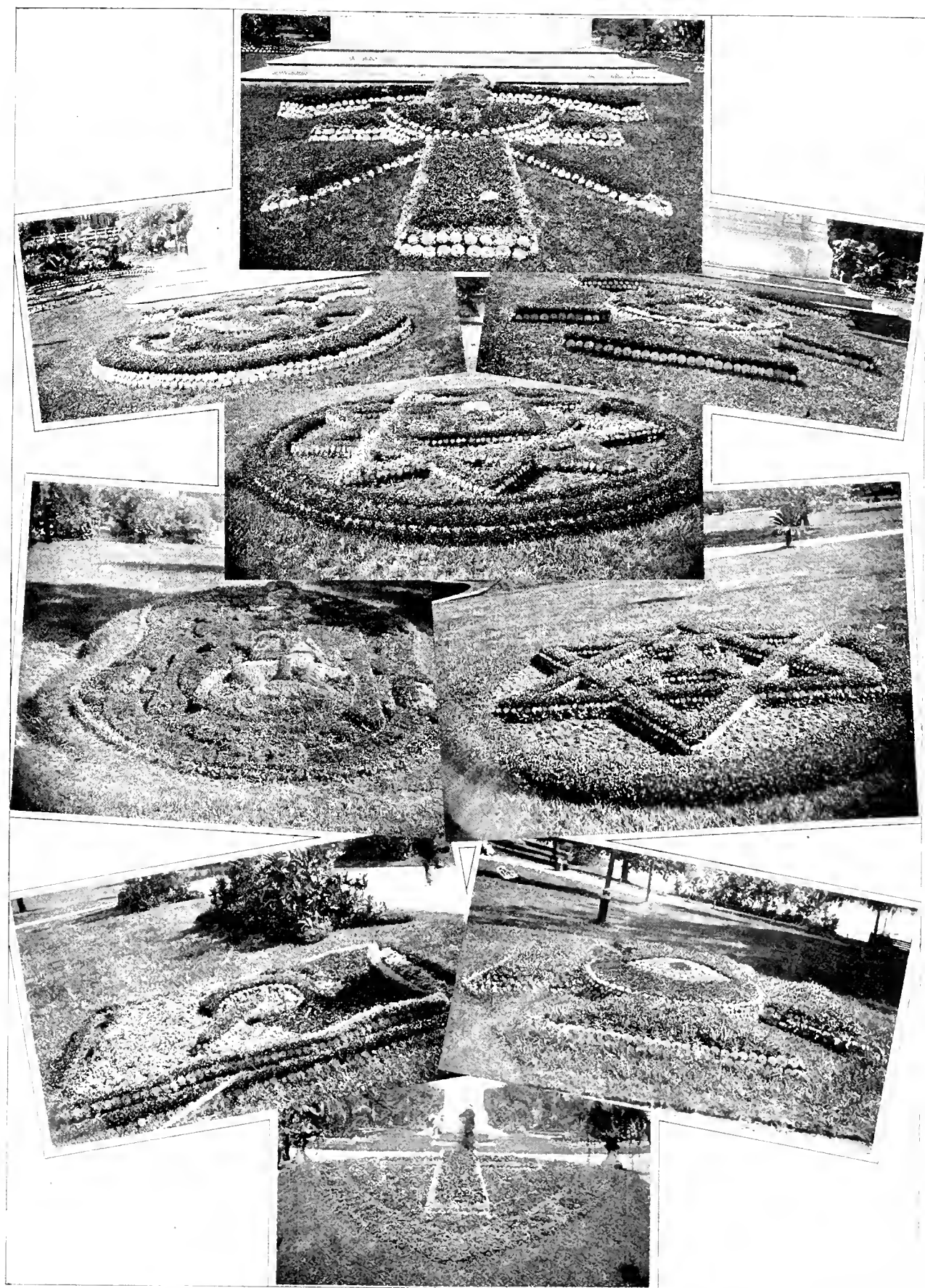
#### The New York Gardeners' Society.

In response to a call signed by Messrs. R. Angus, J. Everett, Wm. Plumb, J. I. Donlan, W. Anderson, J. Dowsett, C. Webber and P. McDonald, a large and representative meeting of private gardeners was held at 51 West 28th street, New York, December 21, 1895, the object of the meeting being to form a society for the benefit of private gardeners and the advancement of all branches of horticulture.

Among those present were Wm. Falconer, Glen Cove, N. Y.; Wm. Plumb and J. Dowsett, Oyster Bay, L. I., N. Y.; Geo. H. Hale, Bellport, L. I., N. Y.; John Marshall and John Fursey, Riverdale, N. Y.; Wm. Ducknam and Wm. Cook, Madison, N. J.; J. M. Logan, White Plains, N. Y.; Geo. B. Winslade, Wm. Cowen, Mamaroneck, N. Y.; J. C. Greer, J. W. Withers, J. I. Donlan and C. B. Weathered, New York City; Adolph Welsing, E. L. Reynolds, Wm. Anderson, Brooklyn, N. Y.; F. Morley, Yonkers, N. Y.; Samuel Lerca, Stamford, Conn.; V. Faus, A. J. Wergenter, Bay Ridge, N. Y.; Henry Kneusel, Frank Struppe, Irvington-on-Hudson, N. Y.; Chas. Webber, Ft. Washington, N. Y.; Robt. Angus, Jas. Sage, Wm. Magee, Tarrytown-on-Hudson.

There were several telegrams and letters from prominent gardeners at distant points, expressing regret at their inability to attend, but promising hearty support to the movement.

The meeting was called to order by the election of Mr. Wm. Falconer to the chair. After thoroughly discussing the necessity for organization amongst the gardeners for self protection, education and to increase a greater love for horticulture in general, it was finally resolved that those



EMBLEMATIC BEDDING IN THE BOSTON PUBLIC GARDEN, 1895

present organize themselves into a society to be called "The New York Gardeners' Society."

The following officers were elected to serve for one year: J. M. Logan, president; Wm. Plumb, Chas. Webber and Peter McDonald, vice-presidents; Wm. Anderson, treasurer; and J. I. Donlan, secretary.

The following gentlemen were appointed a committee to draft rules and by-laws for the guidance of the society: Wm. Falconer, John Fursey, Geo. B. Winslade, John Marshall and Jas. Sage.

The next meeting of the society will be held on Saturday evening, January 4, 1896. All private gardeners are cordially invited to attend, and assist in making this what it is destined to be, the most useful and influential society of gardeners in America.

JAS. I. DONLAN.

#### A Visit to Riverton.

Friday afternoon, the 27th, was a gala time at Henry A. Dreer's nursery at Riverton. Some 250 members of the craft from Philadelphia and vicinity accepted the invitation extended by this firm to visit their establishment and inspect the recent large addition erected to meet the demands of their growing trade. As this new house has been so recently described in these columns it is not necessary to speak of it again, save to say that it is meeting fully the views of the company, and each day demonstrates its entire success as a model house for growing palms from the standpoints both of economy as to space and heating and efficiency in the respects of light and air. It was entirely filled with stock in splendid condition and the general neat appearance of everything called forth words of praise from all the visitors.

After an inspection of this and other houses the large packing shed, into which all the houses seemed to empty, at least on this occasion, became the center of attraction. A long table groaning with the good things of this world occupied a large space down the center, and this was soon surrounded and ample justice done to its heavy load by the visitors. Mr. Wm. F. Dreer was on hand to welcome his guests and he together with Mr. Jacob Eisele and his able corps of assistants were untiring in their efforts to make everybody feel at home.

After the inner man had been satisfied a speech was demanded from Mr. Eisele, and he, despite his protests, was lifted up on an improvised platform and made his bow to the party. He said his forte was not speech-making and they would have to excuse him; he was glad to see so many present and was most happy to welcome them.

Robert Kift, on behalf of the Florists' Club, made a few remarks in which he thanked the company for their kind invitation. He said that while this new house was looked upon as a great addition and improvement it was only a beginning and that the establishment would continue to grow and improve until the present place, now the largest in this country, would seem very small by comparison. He called on Mr. Robert Craig to express his views and he responded in his usual happy vein. Said he:

"I cannot recollect an occasion at which there has been so many representative men of our city and vicinity connected with the business as there is here to-day, neither Florist Club meetings nor conventions have been considered of so much importance as the attractions of this model place, and I am sure that all present desire

to thank Mr. Dreer for his kind invitation and the opportunity to inspect this magnificent addition to the already large plant. I feel sure that none will go away from here to-day without feeling that he was well paid for his visit. It must set all to thinking when such conservative men as compose this firm strike out so boldly and erect such a large and substantial addition as we have seen to-day. Their action will be a benefit to the entire trade in this country. To supply the demand it has been found necessary to import largely from Europe, but I think that this stock should be grown here, it can be better grown, as the American grown plant is superior in many respects to that brought from abroad. If the general policy of our government is to be a protective one then our business interests should bring us together to consider whether a little duty would not be beneficial and stimulating and encouraging the production of plants that can be grown just as well here as in Europe. We can scarcely compete with them under the present duty, as labor there is from one-half to two-thirds cheaper than it is here."

Pres. Charles H. Allen of the New York Florist Club said that it gave him great pleasure to be present; his first visit had been some seventeen years ago when Mr. Henry A. Dreer had shown him about the six houses which at that time comprised the establishment. He had witnessed the rapid growth since then and was much pleased with the recent addition. "Mr. Craig," said Mr. Allen, "thinks we might have a little protection. We don't need it; we have it; when a man becomes an American he's as good as four foreigners. What is needed most is system. Immense establishments are carried on in other lines by one management successfully on account of their perfect system, and that is what most men in our business want, a more perfect system. Mr. Eisele has been given full liberty and has adopted a system the success of which is apparent on every hand."

Mr. Lonsdale said that the other speakers had taken all the speech out of him, having used up his thoughts. He thought every one present should profit by the example set them by this firm. "I don't see how it is possible at present to improve on this large structure for the purpose for which it is built," he said, "I think possible that this form of construction would do for forcing cut flowers. This is a question for us to take home and think over. Are our houses the best that can be built for the purposes intended?"

Mr. W. K. Harris' remarks while not heard by all present were nevertheless much appreciated by those upon whose ears they fell. He said:

"It gives me great pleasure to be one of your guests here to-day, to partake of the hospitality you have so liberally provided and to congratulate you on the completion of this magnificent addition to your already fine horticultural establishment. The conception of this mammoth addition so complete in every particular no doubt emanated from the minds of your whole company, although great credit is due one member in particular, Mr. Jacob Eisele, who has been the propelling force that has brought this gigantic construction to such quick and perfect completion. By the word completion I do not wish to convey the idea that you are done extending your area of glass, for I believe that as long as youth and middle age remains the fuel of progress will so fire the brain of your manager that the dynamo of am-

bition will generate more progressive sparks than any one head can contain, and as that head becomes over-loaded it will be transmitted and your whole company will be so electrified that the great wheel of extension will move on again and again. Now, I do not wish the company to understand that I believe Mr. Eisele to be the only important person in this large enterprise; there is Mr. Full and the rest of your managers and employees who labor long days miles from here, in the City of Brotherly Love, where instead of the blue heavens a cobwebbed ceiling is their canopy, where sunshine never enters to cheer their monotonous labors, where there is no green sward to rest their weary eyes upon, where, instead of beauty and fragrance, they are surrounded by seeds, fertilizers, etc., containing within themselves the elements of beauty and fragrance, but until nature's laboratory shall have changed them they are repulsive to both the senses of sight and smell. These men who in winter use a candle to stretch the day are each one a cog in this horticultural wheel, just as important as the manager or the president, to keep it in motion. I cannot close without a word of admiration for your president, Wm. F. Dreer, who is such an estimable gentleman and a universal favorite with the whole trade, a recognition he well deserves. I will not attempt to set forth his fine qualities as a gentleman nor his good and liberal business qualifications. I will leave that to those here who are better able to do him justice."

Mr. Daniel Farson was called or rather lifted up on the impromptu platform as were the other speakers and said: "This is more than an afternoon's frolic, it was a happy idea to invite the brain and brawn of the business to come up, inspect and pass upon the new addition," just here he was cut short by the announcement that the special train would start in a few minutes and with three cheers and a tiger for the H. A. Dreer Co., given with a will the visitors wended their way to the station and were soon off for the city, much pleased and gratified with their visit.

K.

#### New York.

New Years trade was unexpectedly good, and much satisfaction was expressed in all quarters. True, there was little in the occasion to remind of the good old times when every flower that could be obtained was spoken for in advance, when every retail florist of any pretensions had his cellar literally paved with camellias by the thousand and all ready wired a week or two ahead for New Years baskets, but from the fact that little was expected that which did come was all the more gratifying. The weather was clear and not too cold, just right for the buyers and also conducive to the production of good flowers.

There was a vast difference between the quality of the bulk of the stock offered for Christmas and that offered for New Years. The overload of stale roses and carnations which did so much to depress the Christmas market was absent now and the average of quality was high. No finer, cleaner, crisper Brides, Bridesmaids and American Beauties have ever been sent to this market at one time than came in for New Years. It was a pleasure to look at them and handle them. As to carnations the greatest trouble was their abundance. Prices broke on carnations generally for this reason. Especially overstocked were the white varieties. A tremendous cut of Roman hyacinths and paper white narcissus also contributed to





VIEW IN THE HORTICULTURAL GARDENS, TORONTO, ONT.

embarrass the market for white flowers of all kinds.

Among the new things in stock was white lilac. Scudder of Glen Head sent quantities of this to Sheridan, and Rochrs got a large cut from his brother's place, but there was little disposition to handle it in the retail stores. Probably the overabundance of white hyacinths was responsible for this partially, but last winter's experience showed that lilac has lost much of its former popularity. Nothing handsomer than Suydam's mignonette which Raynor is handling has ever been seen in this market, and it seems to have caught the popular fancy, for it sells well. The first white snapdragon of the season was seen at Horan's. The standing of this new aspirant in the cut flower market has yet to be decided. It certainly made a good impression when shown at the Carnation Society's meeting in Boston last year.

The plant trade was good. For palms and foliage plants generally there was a rapid sale, especially when made up into tasty baskets. Flowering plants such as ericas, orchids and cyclamens also sold extremely well. Considerable complaint was heard of the azaleas that had been sold for Christmas, it appearing that the forcing necessary to bring them in at such an early date had made the flowers too soft and too short lived to give any satisfaction to customers. Baskets of plants, as well as of flowers, were invariably dressed with satin ribbon. One florist, Alex McConnell, engaged the services of a professional milliner for this trimming with good results.

A novel table decoration by Thorley for a New Years supper consisted of miniature trees of roses and orchids in which were hidden many electric lights, which at the stroke of midnight were lit up by the pressure of a button concealed under the table.

The trustees of the New York Florists' Club have completed arrangements for the holding of the Carnation Society's meeting and exhibition in the palm garden of the Grand Central Palace. This

will be a grand place in all respects. The date of the meeting will be Thursday and Friday, February 20-21.

The New York Gardeners' Association is now fully organized and the roll is open for members from all parts of the country. Monthly exhibitions in New York city are contemplated.

Visiting New York: J. W. Gibson, Jos. Haire and N. Thos. Hodgson of Newport, R. I.

#### Toronto.

It rained on Monday and Tuesday afternoons; it rained on Wednesday (Christmas day) evening and it rained all day Thursday, altogether it was a muddy, muggy Christmas time. In spite of it all, however, business was very good, and everything with the exception of a few violets was cleared out. No doubt there would have been more people out if the weather had been fine, but I don't see how more business could have been done when the stock was all sold. Not nearly enough roses could be got to supply the demand, prices were \$2, \$2.50 and \$3, and \$3 was often offered for \$2.50 roses. Beauties \$9, many more could have been sold. Dull weather had a good deal to do with the scarcity. Carnations were in better supply and sold freely at 60 to 75 cents. There appeared to be any amount of violets, and one of the smaller growers was peddling round about 700 or 800 on Tuesday. Here is a violet tale which has a moral. One of the retailers was selling pretty little bunches of six violets made up tastily with plenty of leaves at 25 cents a bunch, and they sold like hot cakes. When, however, the supply of leaves gave out he could not get 20 cents a dozen for his violets. There was a good supply of chrysanthemums in some of the stores, they were very poor stock but they all went at good prices, I don't remember having seen so many of them at Christmas before.

The churches were decorated about as usual I think. Tidy made up three large set pieces for St. James' Cathedral, but

there was not much of that kind of work done in the other churches. The weather was favorable for plant decorating and probably there was an increase in that line. There are several big club balls, parties, etc. on during the next two weeks so that trade may be expected to be brisk for a while longer.

The organization meeting of the Toronto Horticultural Society is advertised to take place on the 8th of January; a large attendance is expected.

Dunlop reports the wholesale trade here during Xmas time 100 per cent better than last year, outside buyers ordering much more largely, prices were good too. Much more stock could have been sold and would have been on hand but for the dull weather.

An incident illustrative of the cordial relations existing between master and men took place in the shipping room of Mr. J. H. Dunlop's conservatories, McKenzie avenue, on Christmas day, when Mr. Dunlop was presented with a very handsome leather covered easy chair by his employees. The gift was a complete surprise to Mr. Dunlop. In acknowledging it he said he wished to be considered not only as the employer but as the friend of his staff. This, he felt, was due them. They had made his interests theirs, and the great success of his business was due to their faithfulness and care. E.

#### Philadelphia.

Business directly after Christmas was disappointing, the growers held the prices up, most of the choice teas being held at 12 to 15. Beauties were for sale at all prices, the best bringing 50 to 75. Carnations were pegged not to go below 2 to 2½ and for anything choice 3 was asked.

There is a regular transient trade that does not care for holidays and when the high prices of the days after Christmas were quoted, they could not understand them and in many cases refused the stock at the high figures. The New Year's trade was good and while not approaching



that of the olden time, was fully up to if not better than that of the past few years. There seems to be no revival of the custom of receiving, but there was undoubtedly an extra demand for flowers on account of the holiday.

The hustlers have a great time these days getting rid of their Romans and narcissus, every other man has a box full of this class of stock and it would seem as if the talk about the scarcity of bulbs last fall was without foundation. These flowers have been selling for \$3 for the best but the price is soon shaded if there is any disposition to buy.

Brunner roses are fairly plentiful but of different qualities. This rose is an enigma to most growers, one man has it fine this year only to make a failure next; if it comes with a good stem the flowers are thin and single; if of good substance and color the growth is short, and so it goes. The Beauty is selling better than ever and the Brunner, even when fine does not attract the attention it did a few years ago. The first freesia is at hand and no doubt in a week or two the market will be full of it.

The next meeting of the Florists' Club should be a good one. Refreshments will likely be on the card; something for the inner man generally meets with a satisfactory response, and as the committee will also provide an intellectual feast there should be nothing but satisfaction all round. K.

#### Cleveland.

In harmony with the improvement that all other lines of business have shown over the holiday trade of former years stands the record of the florists here for the Christmas just passed. Business as a whole up to the holidays had been about as good as it has heretofore averaged for the same season in bygone years, but not noticeably better. This was probably to be accounted for by the greater number in the business. Indeed, viewing the great increase in that respect, it is very possible that with some there should have been a falling off from former records. Be that as it may, however, nobody seems to complain of their trade during the holidays. The weather during Christmas week was not conducive to the rapid development of flowers, being indeed altogether very murky, dark and rainy. For one thing, nevertheless, we must thank the clerk of the weather. He sent us a solid week of phenomenally high temperature, so that it was at all times possible to deliver flowers and plants with a minimum of time and labor, making thereby a very considerable saving of expense and worry. The rain at one time threatened to make trouble, but luckily it cleared off, or at least ceased raining, Tuesday morning, and held off until Wednesday afternoon, by which time the bulk of the business was all done. Probably the exceeding nastiness underfoot and the tollack of snow exercised a somewhat dampening effect upon transient trade, but if it did nobody cared greatly, as nearly all sold out as it was. Some indeed say that they could have sold more stock had they had it available.

The most noticeable feature was probably unusual variety and abundance of stock that was offered; in these features a great advance was made over former seasons. A number of florists showed a liberal allowance of azaleas, mostly Deutsche Perle, with a sprinkling of Vervaneana. Lilium Harrisii, both cut and in pots, were abundant and good, and sold well. Poinsettias and a num-

ber of varieties of begonias were offered in addition to fern and hyacinth pans in quantity, beside all the odds and ends and knickknacks that individual florists had to show. In cut flowers more and much better chrysanthemums were to be had than ever before. The variety was also extensive, pretty much all colors being available. They sold well and at very fair prices. Carnations, violets, orchids, bulb flowers such as Roman hyacinths and paper white narcissus were also plenty and good. Cold storage valley was in good supply. Roses perhaps were the only flowers that were not altogether satisfactory. These, while good, were not in the same demand as in former years. Heretofore buyers have seemed to consider them of paramount importance. This year people took them indifferently, many refusing them altogether and taking other stock in preference. While this state of affairs caught one or two long on roses, still on the whole it seems as though it ought to be a good thing for the trade. As long as people fell down in worship before the rose fetiche, there was bound to result more or less grumbling and dissatisfaction with quality and price. This change eases things all round. Taken all in all, the florists here seem fairly well satisfied with Christmas and what it has brought this year. A.

The most elaborate decoration of the season, so far, in our city, was arranged for a reception by J. M. Gasser January 2. American Beauties were used in profusion, over 350 of the finest and longest stemmed obtainable being required. More than 150 cattleyas and hundreds of valley were used, all the flowers in the decoration being of the choicest character. D.

#### Boston.

Spring-like weather has continued uninterrupted since Christmas, and the ground is so free from frost that quite a little briskness has developed in the bulb trade, and many a stock which the dealer imagined had been left permanently on his hands has been nicely worked off. There has been no very noticeable overstock in any line of cut flowers excepting tulips and paper white narcissus, which are overstocked solely because nobody has any use for them. The tulips are especially rubbishy, and it would be better for the bulb forces if they would stop trying to get them in so early. Roman hyacinths might with benefit be shortened up a little, but they are selling fairly well this season. Roses and carnations have of course dropped a little in price since Christmas. Good stock goes for good value, however, and is readily disposed of. The first double Von Sions were brought in by Mann Bros., and are of excellent quality, considering their earliness.

The schedule of exhibitions and premiums of the Mass. Horticultural Society for the year 1896 is out. The spring exhibition, which is the first big show of the season, is set for March 24-27 inclusive. The lecture series will commence on Saturday, January 11, with a paper on "Hardy Garden Plants," by Mr. E. O. Orpet of South Lancaster.

The January meeting of the Florists' Club will be devoted to installing the new officers and discussing the internal affairs of the club with a view to greater efficiency in the future.

Frank Becker of Cambridge has retired from business after 37 years' service. His son Fred C. succeeds him.

George Loring, who has been with Newman & Sons for a long time, is sick, and said to be in a very dangerous condition.

W. H. Manning, for many years landscape gardener with F. L. Olmsted, has severed his connection with that establishment and opened an office at 125 Tremont street.

F. S. Tent, formerly well known as a plant auctioneer with Samuel Hatch, died on December 26, aged 60 years.

George Mullen, Park street, made an assignment on December 30.

#### Washington, D. C.

There seems to be a feeling of general satisfaction among our florists as the result of the Christmas trade. The weather was mild and spring-like, more like Easter than Christmas.

Trade up to within a day or two preceding Christmas looked as though it was going to be very dull. Our florists had all laid in a good stock, as the weather was all that either shoppers or the florists could wish for, and they anticipated brisk business, but many of them had long faces on the morning of December 24, when one passing the stores could scarcely see a buyer, but towards evening trade began to pick up, and by night the rush had set in, which continued until noon Christmas day. By this time nearly everything in the shape of a flower had been disposed of, and the florists were all smiling and wishing they had put in a larger stock.

While there was probably a greater quantity of flowers disposed of, the prices were not as high as former years, and not so much money was taken in. Customers that in former years would order a box of flowers costing from \$5 to \$10 were this year satisfied with a box costing from \$2.50 to \$5.

The demand for large palms and rubbers was very limited, while that for smaller plants was excellent, particularly for plants in bloom. Pans of Romans were easily disposed of at from 50 cents to \$1.50, according to size. Primulas sold well. There was a good demand for cyclamens in pans, bringing from \$1 to \$2.

The demand for azaleas in flower was excellent, and they brought good prices, but the supply was very limited. Pans of adiantums, asparagus and mixed ferns went well. Of all the flowering plants none sold so readily as poinsettias, nor did any bring better prices. The supply did not begin to equal the demand.

Violets were probably more in demand than any other flowers, retailing at from \$2 to \$3 per hundred; they were never finer. Roses were excellent, owing to the fine weather of the past few weeks, though pink varieties were scarce. Beauties were rather short stemmed, although the flowers were good; they were retailing at from \$4 to \$18 a dozen. Kaisers \$3 to \$6, La France \$3 to \$5, Golden Gate \$3 to \$6, Meteors \$3, Perle and Watteville \$1.50 to \$2, Woottons \$2, Brides \$3, valley \$1.50, carnations from 50 to 75 cents; some of the extra fine ones sold for \$1; narcissus \$1, Romans 50 cents, mignonette and heliotrope 75 cents to \$1, swainsona 75 cents per dozen for long sprays, smilax 50 to 75 cents a string, asparagus \$1, both greatly in demand; callas \$3, chrysanthemums \$3 a dozen.

There was a fair demand for small palms, araucarias, pandanus, dracaenas, etc.

President and Mrs. Cleveland will open



A CORNER IN THE STORE OF E. WIENHOEBER &amp; CO., CHICAGO, AT CHRISTMAS.

the social season January 1 by the usual public reception, which will be followed the next evening by the regular annual dinner in honor of the cabinet and their ladies.

The season will be short owing to the fact that Lent begins February 19, when practically speaking social events will cease for the forty days following. There will be seven dinners and receptions by the president, one each week in January and two in February. Dinners and receptions will alternate. REYNOLDS.

#### Rochester, N. Y.

Though we had miserable rainy weather for three or four days in succession Christmas trade on an average throughout the city shows a marked increase over last year's, both in cut flowers and in plants. Enough flowers were on hand to go around and the only scarcity noticed was in scarlet carnations, but Scotts and Daybreaks were plentiful, customers were easily persuaded to take these as a substitute, though the scarlets would have pleased them better. Bright colored flowers of every description are in great demand for Christmas, and not enough of them are grown in the vicinity to supply all. First-class selected roses were rather high, while ordinary good ones showed but little advance over prices of last week, and this is one of the reasons probably, that sales in cut flowers can be reported as running ahead of last year's. People will stand a fair increase in prices but object to having the usual price doubled. Some of our neighboring carnation growers shipping to this city have kept and saved up their flowers too long as usual, and many of these carnation blooms went to sleep soon after being unpacked, but in spite of all we may say against this practice we find that it prevails in every holiday season. Well, if these growers prefer running the risk of losing a whole consignment, we have no objection. White carnations were over plenty and were not much called for. A few funeral orders helped to

dispose of a few of them, still large quantities were left over. The same may be said of the violets, thousands of them were consigned to the ash barrel, while four or five days before there was a decided scarcity.

The plant sales, as everybody expected, were decidedly ahead of former seasons, the quality of stock offered also being much better than formerly and very fair prices were realized, well grown blooming plants taking the lead, while palms, araucarias and foliage plants were also in good demand. The fern dishes and jardinières filled with the holly leaved fern (*Cyrtomium falcatum*) and a few well berried holly branches stuck in here and there, sold remarkably well, as was anticipated.

The plant decorations in the churches were not as elaborate as usual, still all had the unavoidable Christmas greenery, etc., in connection with a greater or lesser number of large palms or other decorative plants. Greens and wreathing of all kinds were sold out clean everywhere, nobody having laid in an overstock. Within the last few days a dozen or more wedding decorations in this city as well as in surrounding towns called for more or less elaborate house and church decorations, and these together with the season's ordinary brisk demand kept the retailers very busy.

Mrs. E. R. Fry, of the Fry Floral Co., died sudden and unexpectedly on the morning of December 24, and Mr. Fry has the sympathy of all his numerous friends in his sad bereavement. J. B. K.

#### Cincinnati.

January 11 the Cincinnati Florists' Society will hold their annual meeting and election of officers and display of cut flowers and plants. We hope to wind up the year with a big attendance. Business has been very good the past week; all the retail stores report good trade, and the growers sold out at good prices in the market house. Roses are very scarce.

Carnations were in good crop for Christmas, plenty of forcing stock on the market. Beauties 50 to 100, other roses 8 to 12, carnations 2 to 5, valley 5 to 6, narcissus 3 to 4, Romans 2 to 4, violets 1 to 2, smilax 10 to 12, 'mums 2 to 6, callas 10 to 12.

A. Sunderbruch's Sons had three large decorations the past week. They have kept quite a display of orchids at their store during the holidays.

Peterson picked 6,000 violets from a 125-foot house for Christmas. They retailed at \$3 per 100. He also decorated for a wedding with wild smilax and laurel and American Beauty roses.

C. C. Murphy had a good pick of violets and carnations for Christmas. R. J. Murphy was in with a big cut of Lincoln and Christmas Eve 'mums and carnations.

A. Bruner Sons had Harry Baisley, Queen, Bonnaillon and Yellow Queen. They were cut from solid benches, which accounts for their lateness.

H. L. Sunderbruch cut some fine Mrs. Pierpont Morgan roses which sold at \$15 a 100. He reports a good demand for orchids for the holidays, and a big run on jardinières.

The holly trade is gradually leaving the retail florist.

It is rumored that Thomas Hardesty will soon take a partner.

Sam Morehead is raising quite a crop of lilacs. December 31, thermometer 18° above zero; heavy snow.

WM. MURPHY.

#### St. Louis.

The Christmas trade, though not phenomenally large, was in every respect most satisfactory to the retailer, but the growers certainly have reason to complain; nine days without sunshine made good stock very scarce and prices high. The retailer had to refuse orders for roses. Retail prices for Perle \$3, Brides \$5, Wootton and Bridesmaid \$4, Meteor \$6 and Beauties \$18 per dozen. Carnations were sold at \$1 and \$1.50 per dozen and scarce at that. Romans were a glut, but still they sold at \$1 per dozen. The demand for Harrisii and callas was good; went at \$12.50 wholesale; violets, single and double were in great demand and sold at \$2 for single and \$3 per double.

In my rounds among the florists down town Jordan, Riessen, Candler, and Ellison report trade good, and they sold out clean by 2 o'clock Christmas day. Out in the west end Weber, Waldbart, Ayers, Conaon, Armstrong and Ostertag say Christmas was never better, the only trouble they found was scarcity of stock. The southside florists also report good business. Greens and holly sold well but misletoe came in in bad shape and very little of it was sold. The wholesale men report clean sales, and also an excellent shipping trade, though most of the orders were placed at the last moment.

In St. Louis we never expect much on New Years, and as stock will be scarce it is about as well.

John Stridle is cutting some very fine carnations and lots of violets. John has a new carnation, a sport from the Daybreak, and is said to be a very fine one.

Henry Aue of Lindenwood has the finest Daybreaks that come to this market.

The next two essays to be read before the club at its meeting, January 9, will be one by E. W. Guy of Belleville, Ill., and the other by Mr. Harry Young. A large attendance is expected.

The Beyer Bros. have been very busy of late with decorations for churches.

At the Bowling Club's roll Monday nights, December 30, ten members rolled and some good scores were made. This ended the series of twelve games and J. J. Beneke wins both medals; his total for 12 games was 2432, average 202, and highest single score 243. Mr. F. C. Weber was second, with a total in 12 games 2211, average 184 and highest single score 241. Mr. Wm. Adels of the Ayers Floral Co. will become a new member at the next rolling night, January 6. J. J. B.

#### Chicago.

The week between Christmas and New Years saw a great improvement in the quality of stock, accompanied by a rather stiff market. Prices held up very well indeed, although the latter holiday is never expected to prove so good as Christmas. Good roses stood at \$10 to \$12, Meteors went at \$12 to \$15, and Perles \$8. The shipping trade was extremely good. In local circles some retailers say they were very busy, others that the holiday was rather slow, but the outside demand used up all lines of stock, excepting Romans and white carnations. Romans have been in very little demand ever since they first came in, and it is difficult to unload them even at a low price. In carnations while the demand for colors continues brisk that for white is very slow. The commission men as a rule say New Years trade was in advance of former years.

Since the holidays stock is improved in quality but prices have naturally dropped somewhat. Roses, general stock, run from \$4 to 8, with some choice stock in Meteors and Testouts \$10 to \$12. Beauties are \$5 to \$7 a dozen.

Carnations are \$2 to \$3, fancy \$3 to \$4. Violets are held at \$2, and the stock is not nearly equal to demand. Many usually successful growers complain that their violets are not doing well this year; they are either unproductive, or the flowers do not open well. It is quite possible that prices on roses and carnations will show a declining tendency for the next week, as many crops that were late for Christmas will be just in now. We are promised clear cold weather, which will improve the quality greatly; the night of January 2 brought us the first zero weather of the season, accompanied by a high wind, which necessitated heavy firing.

At the meeting of the Florist Club next Thursday evening final details for the "carnation meeting," January 23, will be arranged.

The annual meeting of the Horticultural Society of Chicago will be held next Saturday afternoon, January 11.

J. A. Rice of 4155 N. Ridge avenue, Station Y, formerly a vegetable grower, has this fall entered the ranks as a carnation grower for the Chicago market.

P. G. Pearson of Batavia was in the city this week.

#### Buffalo.

A heavy Scotch mist prevailed on Christmas eve and the greater part of Christmas day. This was not what was wanted to make good trade, but it is doubtful if it made much difference to the aggregate of business done by the florists. And oh, what a delightful time it was to deliver. The tenderest plant needed no wrapping or protection of any kind. Without hearing fully from many in the trade it is safe to say that the bulk of business done by the florists in both flowers and plants was quite up to and ex-

ceeding that of any former year. The quality of flowers was generally very satisfactory, and prices not out of reach of buyers. Considering quality the retail prices could be called moderate compared with some years. The business done in holly, laurel, etc. was immense. Wild smilax entered largely into the decorative business. Some branches of Magnolia grandiflora were to be seen in several places. This is certainly one of the most ornamental things that can be used. Happily the supply of flowers about filled the demand, so both sides are satisfied. As of old roses, carnations and violets were so far in demand of all other flowers that the rest were not in it. A great many Harrisii lilies have been cut here for the past month, and all find a ready sale; for large decorations they come in well.

A feature of this holiday season was several large balls at our now fashionable Twentieth Century Club. A very elaborate one was held on the 25th. The Hungarian band from New York supplied music and one of Mr. Thorley's bouquets supplied the taste, and the lavish decorations were by Scott of this city. On the 27th the aristocratic Buffalo Club gave its annual ball and Mr. C. F. Christenson did it up in his usual elegant style. On the 31st and again on the 1st of the year two fine jobs were done at the Century Club by W. J. Palmer & Son, and so it goes. I have only mentioned the principal events in the social world; doubtless others of less magnitude were coming off at the same time. It seems to be the fashion, growing more so every year, for places of public resort, hotels, restaurants, etc. to be decorated with palms and flowers during the holiday week; the more the merrier. We will endeavor to put up with it.

Prices ruled for Christmas about as follows: Bridesmaids and Brides \$3.50, Meteors \$4, Beauties, good, \$10 to 12, carnations, good, 75 cents, violets \$3.

W. S.

#### St. Paul.

Christmas trade was excellent. Everything sold well. The weather was quite favorable, and up to Christmas eve the ground was bare, but a heavy snow storm lasting a couple of hours set in about dark, and the morning sun rose on a white Christmas, bright and cold.

The pleasant weather brought out thousands of customers, and everyone seemed to have money to spend. A great many plants were delivered without wrapping, and complaints of frozen goods were very rare.

In cut flowers the greatest demand was for roses, and several thousand Beauties could have been disposed of at \$6 to \$15 a dozen had they been obtainable. There was also a big call for violets and carnations, while valley, Romans, etc. sold readily. Some very good 'mums were seen and sold readily at good figures.

Home grown stock was of good quality, but the bulk of what was shipped in arrived in very poor condition. Next to Beauties Testout were most in favor in the rose line, while Daybreak as usual led in carnations. Quite a number of California violets were seen, and were preferred to the double blue every time.

Sales in the plant line were surprising. Harrisii lilies, though not as numerous as at Easter, were just as popular, and sold nearly as well. There was also a good call for palms, ferns and other decorative stock.

Holly and green wreathing went readily and the supply was hardly equal to the

demand. There was a good demand for mistletoe, but southern greens outside of those mentioned were a drug in the market.

Ferneries, jardinières, etc., sold very readily. Florists doing a good trade should not fail to handle these at Christmas time, for not only do they yield a nice profit, but plants can be sold to much better advantage, and as one suggests the other sales can be largely increased.

Trade since Christmas has been lively, the demand keeping ahead of the supply all the time. New Year's trade was especially good, fully equal to if not better than last year. Prices have been maintained, and at this writing, January 1, retail prices are even higher than they were at Christmas. Wholesale prices have also been maintained, and \$12 per 100 is the ruling price for good roses, while carnations are held at \$4.

The custom of making New Year's gifts is growing largely in favor, and should be encouraged by the trade. Someone (probably the lofty revelings of a reporter) has given out the impression that carnation flowers are poisonous. A great many ladies are daily asking if this is true, etc. I don't think it has yet hurt the sale of the "divine flower," but if not promptly denied it may. For such cases of *rusty knowledge* a good dose of the Bordeaux mixture internally applied might be effective.

L. L. May & Co. have had an enormous cut of roses, and their houses are mostly off crop now. They report Belle Siebrecht as doing much better and worthy of a trial at least.

Chris Hansen's houses were all off crop for Christmas, and he is now trying to ascertain how it occurred.

R. C. Seeger had some elegant Testout and Beauties, some of the finest ever seen here.

Hangen & Nilssen were on hand with an immense cut of violets, and are busy now counting in the shekels.

E. Behrens brought in some 'mums that were as bright and fresh as though cut in October.

J. Taylor and L. Wilde, formerly with L. L. May & Co., have engaged in another line of business. FELIX.

#### Grand Rapids, Mich.

Christmas trade was a surprise to all the florists here. Fewer orders were placed in advance than in former years, so the stores did not lay in stock equal to other seasons. Everything sold out clean in the shape of flowers and many customers had to be content with plants and holly. The dark week (120 hours constant rain) previous to Christmas had its effect on the rose crop, and many growers of La France could cut the long sought for "Blue Rose."

Mixed roses \$2.50 to \$3 a dozen, carnations 60 to 75 cents, and violets 35 cents, were the ruling prices. This city used about forty cases of holly. The city was flooded with Christmas trees at 15 to 25 cents each. Henry Smith rented an adjoining store and assisted by four clerks did a land-office business in potted plants. "That's what's left of four wagon loads," said Henry pointing to about a dozen palms left standing at 4 p. m. Tuesday.

At the last meeting of the Florists' Club N. B. Stover read an exhaustive paper on manures which was widely discussed, and for the benefit of absent members was requested read again at the next meeting. The club will hold its banquet early in January when steps will be taken toward holding a spring show. By

mistake F. A. Chapman's display was not mentioned in report of show. Chapman did himself proud with an immense bank of tropical plants and cut flowers.

Hopp & Lempke have opened a stand in the Hotel Morton in charge of Billy Taylor and seem to pick up quite a transient trade. Billy has made flying trips to the smaller towns and cities near here holding special sales of cut flowers and reports the experiment highly satisfactory.

Charles Bowditch is again out after a prolonged sickness.

Chas. Chadwick has just finished taking his first crop of carnation cuttings and his cutting bench containing 40,000 cuttings is a fine sight. He uses a side bench without any bottom heat.

CREELMAN.

#### Paterson, N. J.

McCornac & Co., successors to the late Mr. Chitty, are growing some very fine carnations. Alaska is by far the finest white, and is grown here in quantity and of fine quality. Minnie Cook is doing very well and brings a higher price than any other variety. They also grow Wm. Scott, Daybreak, Rose Queen and a number of others. Rose Queen is very fine and of a beautiful color. It is particularly effective when seen at night, as it lights up so well.

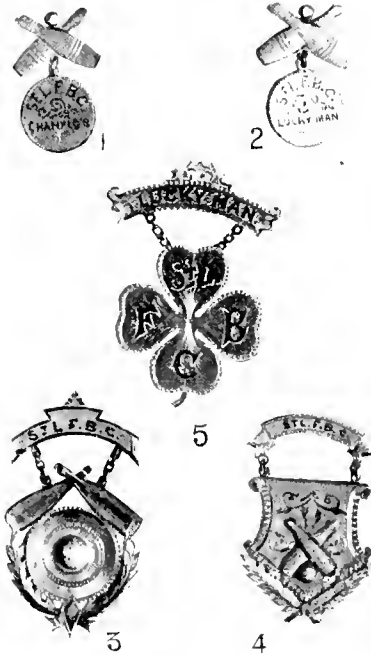
The Christmas trade in Paterson has been fairly good, and shows a slight increase over that of last year. The florists had one great difficulty to contend with this year; owing to the very mild weather the street venders were able to carry their flowers unprotected, and often sold to people who otherwise would have visited the stores. There was also a large number of venders of holly and mistletoe. They came in from the surrounding counties to sell their Christmas greens, and as they are not required to furnish a license what they sold was clear profit. McCornac & Co. had a considerable demand for potted plants as Christmas gifts, palms for the most part.

Edward Scery also reports an increase in his Christmas trade over last year. He says the favorite flowers with his customers are roses, carnations, Roman hyacinths and violets. He also uses a good bit of mignonette, of which he has very fine stock. Mr. Scery when called upon had just sent out thirty large designs for a funeral. He says holly and mistletoe were in much greater demand than in former years, and notwithstanding the street venders he sold more than usual. He sold a great many palms in jardinières to be used as Christmas gifts, also pretty fern pans and baskets filled with ferns. He made a fine show the day before Christmas and on Christmas day, as he had the use of the store next door as well as his own, and as the weather was so mild he was able to hank his plants out on the sidewalk also, making it look very attractive. S. M. T.

#### Medals of the St. Louis Florists' Bowling Club.

Of the five medals shown in the engraving Nos. 1 and 2 were the first medals of the club, No. 1 is an average medal and is the property of Chas. A. Kuehn, he having won it three times and J. J. Beneke once. Medal No. 2 is a "lucky medal" and is won by a member making the largest single score in twelve games. This was not so easily won, as it was won fourteen times by the following members: W. Young once, C. Beyer

twice, H. Young twice, Emil Schray twice, A. Beyer once, J. J. Beneke once, Tom Peterson once, John Young once and C. A. Kuehn three times and is now his property. Medal No. 3 was won only four times, by Carl Beyer three times and by J. J. Beneke once. Medal No. 4, which is the property of J. J. Beneke, having been worn only six times, viz: by D. Helwig once, C. Beyer once, Tom Peterson once and J. J. Beneke three times. No. 5, called "the clover-leaf medal," is still the property of the club, having been won four times by the following members: C.



MEDALS OF THE ST. LOUIS FLORISTS' BOWLING CLUB.

Beyer twice, H. Young once and Emil Schray once. Medal No. 6, of which we have no photo, is also the property of the club, having been won three times only, by E. Schray once, C. Beyer once and J. J. Beneke once. Medals 5 and 6 will have to be won three times in one year. The highest single score ever made by any member is 298, by Carl Beyer; second, 277, by Will Young; third, 267, by Harry Young. The largest number rolled in three games was 719, by Wm. Young; second, C. Beyer, 696; third, C. A. Kuehn, 678.

J. J. B.

LOUISVILLE, KY.—Fire did \$200 damage to buildings and \$900 damage to plants at the greenhouses of Ed. Morat December 26.

THE AMERICAN FLORIST (\$1.00) and *Gardening* (\$2.00) together to one address for one year for \$2.50. Send orders to American Florist Co.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany any order. Plant ads. not admitted under this head.

**SITUATION WANTED**—By young lady of experience in all kinds of floral work and designing; best references. M. B. care American Florist.

**SITUATION WANTED**—Shipping clerk, thoroughly competent long experience in wholesale, retail and mail order departments. L. care Am. Florist.

**SITUATION WANTED**—As assistant in florist establishment; several years' experience. Not afraid of work. Address GEO. MAIN, Gloversville, N. Y.

**SITUATION WANTED**—By German lady of artistic ability, 15 years' experience in Europe and America; best references. ARTISTE, care Am. Florist.

**SITUATION WANTED**—Travelling salesman. German American, now open for position for plants or supplies; has successful record. M. care American Florist.

**SITUATION WANTED**—By first-class florist and gardener, young married Swiss, to take charge of gentleman's place with greenhouses; best of references. C. G. care American Florist.

**SITUATION WANTED**—By good gardener and florist either commercial or private place; German, capable of acting as foreman; good designer; references. H. K. care American Florist.

**SITUATION WANTED**—Grower, thoroughly understands the growing of roses carnations and the forcing of all kinds of florists stock; references. Address THOS. MCKENZIE, 1529 Wabash Ave., Chicago.

**SITUATION WANTED**—By young experienced florist as second or similar position in first class place; good knowledge of general stock, etc.; experience Europe and U. S.; A reference. Address ENERGETIC, care American Florist.

**SITUATION WANTED**—By florist in store having experience in store and a good knowledge of plants, growing, etc. by young man, single with good reference; steady place with moderate salary. Address O. K. care American Florist.

**SITUATION WANTED**—By a young man, 24 in retail store; seven years' experience, good make-up, salesman and decorator; understands plants thoroughly, and has had experience with the best New York florists; would work anywhere in United States. C. D. M. box 10, 57 1/2 6th Ave., New York.

**WANTED**—Ligustrum Japonicum trees from 6 feet upwards. F. HENSEL & Co., San Antonio, Tex.

**WANTED**—Let us grow your carnation plants at one cent each; we want 100,000 to grow. Address MORRIS FLORAL CO., Morris, Ill.

**WANTED**—To rent between 600 and one thousand running feet of glass suitable for rose growing purposes. Address P. O. Box 384 Madison, N. J.

**WANTED**—To correspond with parties who can furnish me from one to five thousand carnations per week, also roses and violets up to June 15th. Address MICHAEL CONROY, 144 Purchase St., New Bedford, Mass.

**WANTED**—An active young man as propagator of hard and soft wood plants; must be accustomed to filling vases and doing artistic bedding in spring; steady place for sober, industrious party. Apply with references to L. L. MAY & Co., St. Paul, Minn.

**FOR SALE**—Five greenhouses, located in the healthiest climate of the west. For particulars, address Box 502 Canon City, Colo.

**FOR SALE CHEAP**—Three greenhouses 3,100 square feet of glass, first-class heating apparatus, also cottage and ground 38x85 feet; will sell all, or will sell greenhouse and give long lease of ground; reason for selling, other business. For particulars address WM. G. WHITE, Ovid, Mich.

**FOR SALE OR RENT**—Greenhouse plant near Lancaster, Pa., consisting of 18-room drive, stable and henry, 2 acres of land, 4,000 square feet of glass, either steam or hot water, windmill and never-failing water supply; good stock of carnations, violets and anthers. Address REAL ESTATE EXCHANGE, Lancaster, Pa. or B. F. BAUSMAN, box 232, Lancaster, Pa.

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At least 30 varieties. All the best of the Double and Singles grown and named, at \$15 per 100; \$1.75 per 100.

	Per 100	Per 1000
Mme. Salleron	\$12.00	\$1.50
Mme. Geraniums	20.00	2.25
Alternanthera p. major and aurea nana	6.00	.75
Cuphea platycentra (Cigar Plant)	8.00	1.00
Feverfew Little Gem	10.00	1.50
Double Golden Marguerite	12.00	1.50
Greer's strain Double Petunias	12.00	1.50
Salvia splendens	10.00	1.25

The above are grown in flats, in fine condition.

#### ROOTED CUTTINGS.

Fuchsia, named, about 30 varieties	\$12.00	\$1.50
Hellebore, named, 6 varieties	8.00	1.00
Ageratum, blue and white	10.00	1.00

The selection of sorts to remain with us. Cash with the order.

J. E. FELTHOUSEN, Florist, Schenectady, N. Y.

**AZALEAS,** Sander, Bruges, Belgium.  
**PALMS,** Sander, Bruges, Belgium.  
**ARAUCARIAS,** Sander, Bruges, Belgium.  
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Agent: A. DIMMOCK,

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 SEND FOR SPECIAL OFFER.

## Pandanus Veitchii

WE HAVE SOME EXTRA FINE PLANTS TO OFFER AS FOLLOWS:

5-inch pots	\$1.00 each
6-inch pots	2.00 each
7-inch pots	3.00 each

F. DORNER & SON,

CASH WITH ORDER. La Fayette, Ind.  
 Mention American Florist.



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Inch, \$1.40; Column, \$14.00.  
Cash with Order.

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Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

**Baltimore.**

There seems a general indisposition on the part of the dealers to state definitely how much of an improvement Christmas of 1895 was over Christmas, 1894; in fact an occasional voice is heard denying any improvement at all, but the general average indicates a very considerable increase in sales, and prices equally good with a very much better supply from local growers, both in quality and quantity. The weather could hardly have been better for the market men, plants of all kinds being freely exposed on the stalls. This generally has rather a damaging effect on store trade but had no appreciable effect this year.

New Years being colder ruled out the markets to a great extent, but except in the way of cut flowers and a few large palms for reception rooms, this holiday is not much ahead of any other day. Violets are short supply at 75 cents to \$1 per hundred. Roses and carnations have settled down to every day prices, though indeed they were not so greatly advanced and the whole line of supply of all kinds is about where it will be until the approach of Easter gives it another boom.

MACK.

**Des Moines, Iowa.**

Trade has been fair to medium since last report. The Christmas trade was larger than last year, and had it not been for a heavy rain, sleet and snow storm on the afternoon of the 24th all stock would have been taken. As the storm was severe a number of dealers report stock left over. Brides and La France brought \$2 to \$2 50 a dozen, Kaiserins \$2.50 to \$3, carnations 60 to 85 cents, paper whites 75, Romans 60. New Years trade does not promise to be very lively.

The Florist Club had a very profitable meeting the last Monday night in December. The meeting was with Messrs. Cline & Balthis of Highland Park.

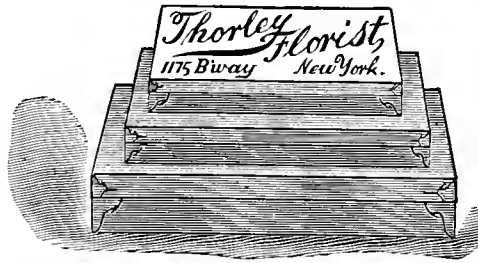
J. T. D. F.

ONTARIO SUBSCRIBER is referred to the article on "black spot" on page 554 of our last issue.

HINGHAM, MASS.—Mr. W. W. Lunt, the orchid fancier, was so unfortunate as to have his whole collection ruined by a defective heating apparatus.

FITCHBURG, MASS.—F. O. Willard has fitted up his greenhouses with fifty electric lights.

**A. & F. RÖLKER,**  
**Down-town Wholesale Florists,**  
106 & 108 Liberty Street (Basement),  
**NEW YORK.**



The boxes as they appear when set up for use.

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**WHOLESALE**  
**Cut Flowers & Florists' Supplies**  
**WIRE DESIGNS.**  
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—St. Louis, Mo.

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(Successor to ELLISON & KUEHN.)  
**Wholesale Florist,**  
1122 PINE STREET,  
—ST. LOUIS, MO.

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DORMANT ROSE PLANTS.  
HYDRANGEAS, blooming size.  
PELARGONIUMS.  
MAHERNIAS.  
**WISCONSIN FLOWER EXCHANGE,**  
MILWAUKEE, WIS.

**H. L. SUNDERBRUCH,**  
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**15 CENTS PER STRING.**  
**THE NATIONAL PLANT CO.**  
CASH  
**DAYTON, OHIO.**

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LISTS FREE.  
**BUFFALO, N. Y.**

**SAMUEL S. PENNOCK,**  
**Wholesale Florist**  
1612 & 1614 BARKER STREET,  
Bet. Market & Chestnut, **PHILADELPHIA, PA.**

**"The National"**

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

**THE NEW YORK**  
**CUT FLOWER CO.,**  
119 and 121 W. 23rd St., and  
112 and 114 W. 24th Street,  
**IS NOW**  
**OPEN FOR BUSINESS.**  
*The Largest Dealers in*  
**CUT FLOWERS**  
**IN THE WORLD.**

Handling flowers of all kinds in quantity we are in a position to fill shipping orders promptly. We shall give careful attention to this branch of the business, and solicit your patronage.

**Asparagus Plumosus Nanus.**  
Cut Strings, 8 to 10 feet long,  
**50 CENTS.**  
**W. H. ELLIOTT, Brighton, Mass.**

**WHOLESALE**  
**FLORISTS**  
**JOEBERS IN**  
**FLORISTS'**  
**SUPPLIES,**  
**FLORISTS'**  
**VASES.**

METS,  
BRIDES,  
GONTIERS,  
CARNATIONS,  
ALWAYS ON HAND.

**84 Hawley Street,**  
**BOSTON, MASS.**  
**HORTICULTURAL AUCTIONEERS.**

Always mention American Florist.

**WELCH BROS.,**  
**Wholesale Florists,**  
**NO. 2 BEACON STREET,**  
**Near Tremont St. BOSTON, MASS.**

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

## E. H. HUNT, WHOLESALE FLORIST

68 Lake Street, CHICAGO.

## WHOLESALE CUT FLOWERS.

SEEDS, BULBS AND ALL  
FLORISTS' SUPPLIES.

## KENNICOTT BROS. CO. Wholesale Cut Flowers and FLORISTS' SUPPLIES, 88 Wabash Avenue, CHICAGO.

## T. J. GORBREY & CO., Wholesale Commission Florists 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

We are now prepared to furnish Florists' Wire Designs and a full line of Florists' Supplies.  
WRITE US FOR OUR ILLUSTRATED CATALOGUE.

## Bassett & Washburn, Successors to J. B. DEAMUD & CO., CROWERS and WHOLESALE CUT FLOWERS, DEALERS in 88 Wabash Avenue, CHICAGO. HEADQUARTERS FOR AMERICAN BEAUTIES.

## A. L. RANDALL, Wholesale Florist, 126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers.

## Reinberg Bros. WHOLESALE CUT FLOWERS, 51 WABASH AVENUE, Telephone Main 4937. CHICAGO. Our Roses best them all, in quality. Headquarters for fine American Beauties.

## W. E. LYNCH, WHOLESALE CUT FLOWERS, Wire Designs a Specialty. 59 WABASH AVENUE, CHICAGO.

## ROGERS PARK FLORAL CO., Wholesale Growers of CUT FLOWERS, 41 WABASH AVENUE, CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

## A. G. Prince & Co. WHOLESALE COMMISSION FLORISTS, 41 Wabash Avenue, Telephone Main 3208. CHICAGO. Consignments solicited. Prompt attention to all orders.

## Wholesale Markets.

### Cut Flowers.

NEW YORK, Jan. 1.	
Roses, Beauty, extra grades.	35.00@100.00
culls	5.00@10.00
Perle	5.00
Testouts	15.00@25.00
Cusin, Watteville	10.00@15.00
Bride, Bridesmaid	6.00@15.00
Meteor, Morgan	6.00@20.00
Common mixed stock	2.00@4.00
Carnations, ordinary	1.00@2.00
fancy	1.50@3.00
Violets	75¢@2.00
Valley	3.00@4.00
Harrisll	10.00@12.00
Mignonette	4.00@25.00
Roman hyacinths and paper white	1.00@3.00
Cypripediums	10.00@15.00
Cattleyas	30.00@40.00
Adiantum	1.00
Asparagus	50.00
Smilax	12.00
BOSTON, Dec. 30.	
Roses, Gortler, Niphetos	4.00@8.00
Perle, Hode	6.00@10.00
Bride, Bridesmaid, Mermet	8.00@16.00
Meteor	8.00@16.00
Beauty	10.00@15.00
Carnations	2.00@2.50
fancy	3.00@4.00
Violets	1.00@1.50
Valley	3.00@4.00
Harrisll, callas	12.00
Paper white narcissus	1.00
Romans	2.00
Stevia, Marguerites	1.00
Mignonette	4.00@10.00
Cypripediums	12.00
Adiantum	1.00
Smilax	12.00
Asparagus	50.00

PHILADELPHIA, Dec. 30.	
Roses, Beauties	12.00@60.00
Brunners	30.00@40.00
best selected teas	10.00@12.00
seconds and small stock	5.00@8.00
Carnations, general stock	2.00@2.50
selected and choice kinds	3.00@4.00
Harrisll	12.00@15.00
Valley	4.00@6.00
Romans and Paper White	2.00@3.00
Violets	1.00@1.50
Mignonette	2.00@5.00
Adiantum	12.00@15.00
Asparagus	50.00
Maldenhair	1.00

CHICAGO, Jan. 3.	
Roses, Beauties	35.00@60.00
seconds	10.00@25.00
general stock	4.00@8.00
fancy stock	5.00@10.00
Metors	8.00@12.00
Testout	8.00@12.00
Carnations	2.00@3.00
fancy	3.00@4.00
Harrisll, callas	12.50@15.00
Valley	4.00@5.00
Violets	1.25
Roman hyacinths	2.00@4.00
Narcissus (paper white)	3.00@5.00
Smilax (paper white)	12.50@15.00
Asparagus	50.00

BUFFALO, Jan. 2.	
Roses, Beauties	25.00@60.00
Metors	6.00@8.00
Bridesmaid, Mermets, Bride	5.00@8.00
Cusin, Perle	4.00@6.00
Harrisll	0.00@15.00
Callas	8.00@12.00
Carnations, fancy	2.00@3.00
common	1.50@2.00
short	1.00@1.50
Romans	1.00
Valley	4.00
Violets	2.00
Adiantum	1.25
Smilax	12.00@15.00
Asparagus	50.00

## GEORGE A. SUTHERLAND, Successor to PECK & SUTHERLAND, Successors to WM. J. STEWART, Cut Flowers and Florists' Supplies WHOLESALE. 67 Bromfield St., BOSTON, MASS. New England Agent for the GREAT ANTIPEST.

## SEND ADVS. QUICK FOR THE NEW DIRECTORY.

## John I. Raynor, 49 WEST 28th STREET, NEW YORK.

SPECIAL EXTRA STOCK OF  
AM. BEAUTY, METEOR,  
BRIDESMAID, BRIDE.

DISBUDED CARNATIONS.  
FANCY GRADE.

CATLEYA LABIATA, splendid blooms.

## THOS. YOUNG, Jr. Cut Flowers, WHOLESALE, 43 W. 28th Street, NEW YORK.

## WALTER F. SHERIDAN, WHOLESALE FLORIST 32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application

## Edward C. Horan, 34 W. 29th Street, NEW YORK, WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.  
Price list on application.

## Purdy & Blauvelt, WHOLESALE DEALERS IN CUT FLOWERS, 57 W. 30th St., NEW YORK.

## JOHN YOUNG, FINE ROSES WHOLESALE, 51 West 28th St., NEW YORK.

## FRANK MILLANG, CUT FLOWERS, WHOLESALE, COMMISSION, 408 E. 34th Street, NEW YORK, Cut Flower Exchange, A first-class operating for a few good consignors.

## THEO. ROEHRS, WHOLESALE FLORIST 111 WEST 30TH STREET, Established 1879. NEW YORK CITY.

## JULIUS LANG, (Formerly with THEO. ROEHRS.) Commission Dealer in Cut Flowers, WHOLESALE, 53 West 30th St., NEW YORK CITY.

### The Seed Trade.

#### AMERICAN SEED TRADE ASSOCIATION.

S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-  
bers St., New York, Sec'y and Treas.

MR. H. A. JOHNS is making an eastern trip.

VISITED CHICAGO: W. B. Griswold, Henry A. Salzer.

VISITING NEW YORK, T. B. Hoyt of Cleveland Seed Co.

MR. J. E. NORTHRUP spent a few days in Boston last week.

THE ALBERT DICKINSON CO. are putting in a bag sewing machine.

NEBRASKA SEED CORN growers complain further of troublesome handpicking necessary on sweet corn.

THE JOHN A. SALZER Seed Company's Palace Car with seed exhibit is making a tour of Wisconsin towns.

THE HUNTINGTON SEED CO., Indianapolis, Ind., suffered from fire December 31. Mainly in the supply department in the front of their store.

NEW YORK.—Peas and radish seed are selling well in the south. Beans are a drug. The low price of beans in the market last season, in many cases less than the cost of picking and marketing, forced the growers to hold an enormous quantity for seed purposes and the result has been an unwieldy over stock.

St. John, N. B.

Christmas trade here has been the best in many years, prices running high, both for pot plants and cut blooms. Carnations were good and plenty, roses were also good, but rather scarce.

McLean did a big trade in palms, ferns, rubbers, etc.

McIntosh had chrysanthemums galore of good size and quality, he sold some thousands at good prices.

Cruikshank had a fine display of hyacinths, narcissus, palms, ferns, etc., in his store and reports a good trade.

Mrs. Jones had as usual a fine display of palms, ferns, rubbers, dracaenas, etc. She had one table of primroses, Chinese and English, which drew considerable attention and good prices. The demand for fresh cut violets and valley was nearly equal to the supply. Her store was crowded till the small hours of the morning. She reports this as her best Christmas.

Our brethren out of town did not turn out in their wonted strength this year.

The weather was warm and bright. Temperature on Tuesday at noon 61°.

J. J. C.

## New Extra DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20 varieties, for only \$2 by mail.

CASH WITH ORDER.

**S. O. STREBY,**

Lock Box 77,

UPPER SANDUSKY, OHIO.

Mention American Florist



INTERIOR VIEW OF ONE AZALEA HOUSE AT DREER'S NURSERY, 25x250 FEET.

## AZALEAS FOR EASTER

We are carrying an immense stock of Azaleas and can still supply all the leading varieties in quantity; the plants this season are exceptionally fine, being bushy and well set with buds. If you have not yet laid in your supply for Easter now is the time to place your order as the plants carry in much better shape while the buds are still dormant. We offer:

CROWNS 10 to 12 inches in diameter - - \$5 per Doz., \$40 per 100

CROWNS 12 to 15 inches in diameter - - \$9 per Doz., \$70 per 100

Specimen Plants, 18 to 20 inches in diameter - - - \$3 each

## HENRY A. DREER,

714 Chestnut St.,

PHILADELPHIA, PA.

## THE BROWN BAG-FILLING MACHINE

Puts up seed in packets, takes all sizes of bags, gauges all quantities of seed from an ounce to a grain, seals up the bag, and runs three thousand per hour. Illustrated Circular on application.

THE BROWN BAG-FILLING MACHINE CO., Fitchburg, Mass.



### I GROW as fine a Collection of DAHLIAS

as it possible to obtain, of both old and new varieties. If you want a choice collection for a special purpose, I have studied your business and can give you varieties suitable to your purpose.

W. W. WILMORE,  
Dahlia Specialist, Box 382, DENVER, COLO.

We are now offering a fine lot of

## DRACÆNAS

in the best sizes and varieties, at very low prices. List on application.

PITCHER & MANDA, Short Hills, N. J.

Always mention the American Florist when writing to advertisers.

## Seeds.

### The Choicest Florists' Strains

quoted in our New Trade List, now ready, and mailed free to applicants.

### August Rölker & Sons

136-138 W. 24th St., New York.

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**  
1708 N. Halsted St., CHICAGO

## CLEMATIS,

Strong one year, mostly Jackmanni, potted up now will make fine blooming plants for spring sales. \$2.00 per dozen; \$15.00 per 100.

F. A. BALLER, Bloomington, Ill.



## A GOOD START

To achieve this and keep ahead of competition plant now the following seasonable seed:

	Trade Pkt.	Oz.		Trade Pkt.	Oz.
Verbena, - Elliott's mammoth.	.50	\$2.00	Mignonette, - Machet.	.10	.40
Pyrethrum, Golden Feather.	.15	.40	Centaurea, - Gymnocarpa.	.15	.40
Lobelia, Crv. tal Palace Compact.	.50	3.00	Carnation, - Marguerite.	.25	1.50
Cyclamen Giganteum.	1.00		Salvia Splendens, -	.25	1.50

Wm. Elliott & Sons, NEW YORK, 54 AND 56 DEY ST.

## ASTER SEED.

Having cleaned the seed of my celebrated strain of Asters, undoubtedly the best strain for florists' cut flowers; excellent for indoor growing in summer, each plant producing from one dozen to four dozen flowers, from 3 to 6 inches in diameter, on stems from 18 to 24 inches in length:

SEMPLE'S WHITE, a pure white.  
MISS MARY J. SEMPLE, shell pink.  
and a few light lavender.

For sale in any quantity by the grower. The Trade supplied at special rates.

**JAMES SEMPLE, Box 2, BELLEVUE, Allegheny Co., PA.**

## NORTHROP, BRASLAN, GOODWIN CO.

Being **GROWERS** we are in a position to supply **Seeds of First-Class Quality** and to make **specialty low prices**. A trial will convince those who have not yet found this out.

**NORTHROP, BRASLAN, GOODWIN CO.**

20 to 28 Hennepin Ave., MINNEAPOLIS, MINN.

55, 57 & 59 N. Jefferson St., CHICAGO.

## ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

**SANDER, St. Albans, England, & Bruges, Belgium.**  
A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106 and 108 Liberty Street, New York City  
Send for Illustrated catalogue.

## Bulbous Begonias.

LAING'S STRAIN. In separate colors.

Lilium Longiflorum, Tuberoses, Spiræas, etc. Now on hand.

Ask for prices.

**HULSEBOSCH BROS., Englewood, N. J.**  
Mention American Florist.

## WE SELL BULBS

Hyacinths, Tulips, Crocus, Narcissus

AND

**LILIAM HARRISII.**

Special low prices on application.

**WEEBER & DON,**

Seed Merchants and Growers,

114 Chambers St., NEW YORK CITY.

## TELEGRAPH CODE

OF THE

**AM. SEED TRADE ASSOCIATION**

\$2.00,

In either stiff or flexible cover.

ADDRESS ORDERS TO

**AMERICAN FLORIST CO.,**  
P. O. Drawer 164 CHICAGO.

**CALCEOLARIAS AND CINERARIAS.**

A superior strain. Per 100  
CALCEOLARIAS, spotted and striped, ready  
for 3-inch pots, \$3.00 per 100. In flats, \$2.00  
CINERARIAS, 2 1/2-inch ..... 2.50  
S. Whilton & Sons, City & Green Sts., Utica, N. Y.

## EXTRA CHOICE FLOWER SEEDS.

List free on application.

**FRED. ROEMER, SEED GROWER,**  
QUEDLINBURG, GERMANY.

WE ARE HEADQUARTERS ON

**BULBS FOR FORCING,  
FLOWER SEEDS FOR FLORISTS  
ENGLISH MUSHROOM SPAWN.**

Special prices on application.

**JOHN GARDINER & CO., Seedsmen,**  
631 Market St., Philadelphia, Pa

## Begonias, Gloxinias.

500,000 Bulbs of our Noted Strain for Sale.

PALMS, AZALEAS, FICUS, ARAUCARIAS, SWEET  
BAYS, DUTCH BULBS, LILIUMS, ETC.

The Best is Always the Cheapest. Write for Prices.

**TOEFFAERT & GEE, GENDBRUGGE les GAND**  
BELGIUM.

And 36 Catharine St., Liverpool, England.

A1 Quality, Small Profits. Perfect Packing. Prompt  
Attention. Low Freight

When writing mention the AMERICAN FLORIST

## Plant Auction.

**SALES EVERY TUESDAY AND FRIDAY  
THROUGHOUT THE SEASON.**

**A. & F. ROLKER, Auctioneers.**

106 Liberty Street, NEW YORK.

**W. A. MANDA,**

MERCHANT, GROWER, IMPORTER & EXPORTER OF

**FLORISTS'**

**Plants, Seeds and Bulbs.**

**NOVELTIES A SPECIALTY.**

The Universal  
Horticultural Establishment, SOUTH ORANGE, N. J.

## PANSY SEED.

THE JENNINGS STRAIN OF FINEST  
AMERICAN CROWN PANSIES,  
In pkt. of 250 seeds \$1.00, very finest mixed, all colors.  
Large flowering plants all sold.

**E. B. JENNINGS, Pansy Grower,**  
Lock Box 251 Southport, Conn.



## Cyclamen Giganteum.

Now is the time to sow. New crop of Seed has just arrived in fine condition from the largest Cyclamen grower in Europe. 100 seeds 1000 seeds

Giganteum Album, white.....	\$8.00	\$9.00
" It. brum, red.....	1.00	9.00
" Roseum, pink.....	1.00	9.00
" Mixed, all colors.....	1.00	8.50

## Verbena Seed.

New crop just received—grown for us by a specialist. Seed saved from MAMMOTH flowers only, and of strictly the brightest and most salable colors, all with large distinct eyes. NOW is the time to sow seed if you wish strong plants **FREE FROM RUST**.

CHOICEST mixed, per oz. \$3.00; per 1/2 oz. 50c.

**SMILAX SEED, New Crop, 40c. per oz.**

Send for our Wholesale Price List, now ready, for a full list of Fresh Flower Seeds.

**CANE STAKES, 6 to 9 feet long; extra fine quality. \$5 per 1000; 500 for \$3**

**HENRY F. MICHELL,**

1018 Market Street, PHILADELPHIA, PA.

## Complete Catalogue

OF

Fruit Tree Stocks, Ornamental Trees,  
Shrubs, Evergreens, Roses, Etc.

Grown by

**P. SEBIRE & SONS,**

**USSY, (Calvados), FRANCE,**

will be mailed on application to their sole  
Agents,

**C. C. ABEL & CO.,**

**P. O. Box 920. NEW YORK.**

Mention American Florist.

300 Acres in Nursery.

1 Acre of Glass.

## Specialties for Florists.

	Per 100
Cardenias, bushy, 15 to 18 inches.....	\$12.00
Crevillea, 12, 18 and 24 inches.....	\$6.00, \$8.00 & 15.00
Eugenia Jambos, 12-15 inches.....	12.00
Camphor, 12-18 & 24-30 inches.....	\$8.00 & 25.00
Guava Red Cattle, 1-20 inches.....	12.00
Magnolia Fuscata, 8, 15 & 20 in.....	\$12, \$15 & 25.00
Olea Fragrans, 6, 10 & 20-15 in.....	\$8, \$12 & 20.00
Oranges & Lemons, grafted on dwarf stock, blooming size, stocky, 10-12 & 15-18 in.....	\$25 & 40.00
Otaheite Orange, bushy, 10 & 12-15 in.....	\$8 & 15.00
Stock of more all pot-grown, ready now to ship, and in best possible condition.	

**FIELD-CROWN ROSES, including 104,000 M. Niet,**  
budded: Fruit and Ornamental Trees, Rare Conifers etc. Send for Trade List and Descriptive Catalogue.

**P. J. BERCKMANS,**

Fruitland Nurseries, AUGUSTA, GA.

	Per 100
DRACAENA INDIVISA, 3 1/2, ready for 5 & 6.....	\$6.00
ADIANTHUM GRACILLIMUM, 2 1/2 inch.....	2.50
HYDRANGEA OTAKSA and THOS. HOGG, 2 1/2 in.....	3.00
BEGONIA METALLICA, 3 1/2 inch.....	5.00
ROOTED CUTTINGS of all general stock.....	1.00
HELIOTROPE New Dwarf, 2 1/2 inch pots.....	5.00
TUBEROSES—Pearl, 3 to 5 inches, \$4.00 per 1000.	

**THE OAKS GREENHOUSE CO.,**

Wholesale Florists, Jackson, Mich.



## Worcester, Mass.

With warm, pleasant weather that urged people to get on the street and buy, and helped the grower get the crop that was a little late into bloom, and helped the store man because wrapping was unnecessary, Christmas trade beat all former records. We handled more good flowers than ever before, and prices were up to the standard. Splendid carnations came in in quantities, and were more popular than ever; prices varied from 50 cents per dozen for average stuff to \$1 for Albertini, Keller, Bridesmaid, Stuart and Buttercup. More good roses than ever before were sold at from \$1.50 for Goutiers to \$6 for best Brides and Mermets. Violets were A1 and brought 4 cents. Some good 'mums came in, but went slow at \$3 and \$4 per dozen. Bouvardia, mignonette, hyacinths, narcissus, stevia, callas, etc. were in good supply and sold at slightly increased prices. But very little lily of the valley was visible, and no Harrisii to speak of. Holly sold better than ever before, and there was quite a call for mistletoe, in fact all Christmas greens went well.

New Year's trade will be very good, and the bright weather we have had has brought quite a change in the greenhouses that were so thoroughly cleaned of every flower for the 25th. Several good decorations are booked. Blue birds and violets blooming outside are reported from a neighboring town. A. H. L.

## Pittsfield, Mass.

The Gardeners' and Florists' Club has elected officers for 1896 as follows: President, John White; vice-presidents, Edward Dolby and William Griffin; secretary, J. G. McArthur; treasurer, Frank Howard; auditor, Thomas Campbell; guard, George Neal; executive committee, J. F. Huss, A. H. Wingett, George Thompson, Thos. Connor, Robt. Johnson and N. L. Cobban. Mr. McDonald will read a paper on chrysanthemums at the next meeting of the club.

## The Crack Carnations:



SCOTT, ALBERTINI,  
DAYBREAK, MCGOWAN.

Selected Cuttings, well rooted in sand and soil, delivery February 15th and later, \$2.00 per 100; \$15.00 per 1000.

Send your order at once, with cash, to get these figures . . .

ALEX. McBRIDE,  
ALPLAUS, N. Y.

WM. SWAYNE,

P. O. Box 226. KENNET SQUARE, PA.

CARNATION SPECIALIST.

Price List of New and Leading Market sorts now ready.

CARNATIONS, Strong Plants in Cold Frames.

E. G. HILL, PORTIA, FRED. DORNER, EDNA CRAIG, MME. ALBERTINI, WM. SCOTT, MRS. HITT, \$5.00 per 100.

All other kinds sold.

Terms, cash with order.

JOSEPH HEINL, Jacksonville, Ill.  
Mention American Florist.

# A MATCHLESS RECORD. CARNATIONS DELLA FOX and ANNIE H. LONSDALE,

(PINK.)

(WHITE.)

has been awarded more Certificates of Merit and 1st Premiums than any other Carnation ever sent out.

1894—Certificate of Merit Penna. Hort. Society.  
1895— " " Am. Carnation Soc'y, Boston  
1895— " " S. A. F., Pittsburg.  
1895— " " Penna. Hort. Society.

1895—Craig Silver Cup for one plant 25 blooms best new seedling not disseminated, any color.

1895—Silver Medal Penna. Hort. Society 50 blooms best light pink for commercial purposes.

1895—Penna. Hort. Society, SPECIAL MENTION.

The demand for Cut Flowers of Della Fox in Philadelphia is far beyond the supply, and are handled by all the leading retail florists, fetching \$8.00 per 100 for Della Fox, and \$5.00 per 100 for Annie H. Lonsdale for Christmas time.

One Hundred Dollars in Cash Premiums offered for the best 50 blooms of DELLA FOX in the Fall of 1896. *See* Come and see them.

## ROOTED CUTTINGS:

PRICE, less than 100, \$12.00 per 100.  
100 @ . . . . . 10 00 per 100.  
1000 @ . . . . . 75.00 per 1000.  
READY MARCH 1st, 1896.

MYERS & SAMTMAN,

Wyndmoor, Chestnut Hill, Philadelphia, Pa.

## HERR'S CARNATIONS.

ROOTED CUTTINGS that will give good results, because they are taken from healthy stock, and will be well rooted when sent out.

VARIETIES—McGowan, Mrs. Fisher, and Alaska, the best of all whites. Daybreak, Scott, Aurora, Sweetbrier, Rose Queen, Peachblow, Dorner, Stuart, Portia, Jubilee, Buttercup, Eldorado, Kitty Clover, Keller, Iago, and Meteor, the best of all dark ones. Thomas Cartledge and Wave; also all the Novelties, including Annie Lonsdale and the hit of the season DELLA FOX.

Don't place your order before writing to me. I have fourteen large houses full of Carnations and think we can make a deal. In asking for prices please state how many you will want of each variety and when they are to be delivered.

L. B. 496.

ALBERT M. HERR, LANCASTER, PA.

## FIRST CALL FOR CARNATIONS.

SCOTT, MCGOWAN, METEOR, BRIDESMAID, and other sorts now in sand and ready for shipment. Clean stock and fair prices. Send for December Trade List.

THE GOTTAGE GARDENS, QUEENS, L. I., N. Y.

CHRYSA NTHEMUMS.

C. W. WARD, Mgr.

CANNAS.

## CARNATIONS. ROOTED CUTTINGS

ALASKA, the coming white.  
PEACHBLOW, fine pink.

And all other new and standard varieties.

Please let us know how many and what kinds you want, and we will give you lowest cash prices. All our plants are warranted to be perfectly clean and healthy, and well rooted. Ready now.

H. Weber & Sons, Box 57, Oakland, Garrett Co., Md.

## CARNATIONS

Orders solicited for ROOTED CUTTINGS.

KOHINOOR takes the lead.

Other Novelties of the Standard sorts at standard prices. All healthy and strong.

C. J. PENNOCK,

The Pines. KENNETT SQUARE, Chester Co., PA.  
Mention American Florist

## CARNATIONS PEACHBLOW.

Rooted Cuttings ready April 1st, '96, \$5.00 per 100, and \$45.00 per 1000.

Book your orders early and be sure that you will get them. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

Peter Fisher, MASS.

NEW AND TESTED

## CARNATIONS.

## CARNATIONS!

The two leading varieties

## Alaska and Minnie Cook.

Buy from the originator and procure genuine stock. CUTTINGS NOW READY.

— ALSO —

ROSE QUEEN, DAYBREAK, WM. SCOTT, VAN LEEUWEN, TIDAL WAVE, Etc.

Write for price list.

MCCORNAC & CO., Paterson, N. J.  
Successors to H. E. CHITTY.

## Eldorado, Kitty Clover

The best YELLOW CARNATIONS to grow for profit. ROOTED CUTTINGS now ready, @ \$5.00 per 100. Also 30,000 strong rooted cuttings of suitable kinds for summer bloom.

LADY CAMPBELL VIOLETS, rooted runners, @ \$1.00 per 100; \$8.00 per 1000.

W. R. SHELMIER,  
Chester Co., AVONDALE, PA.

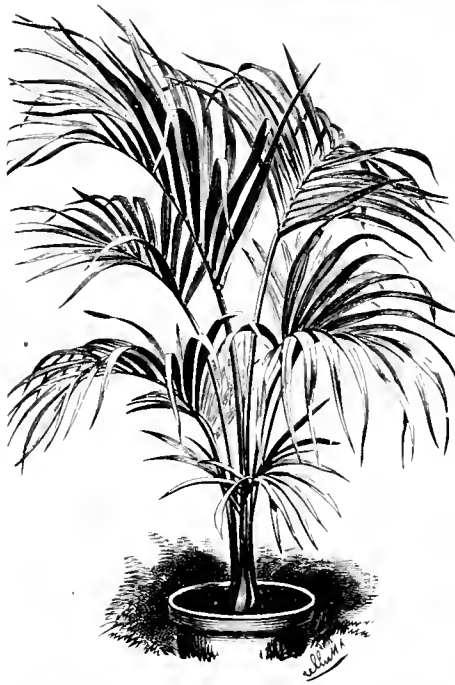
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## CARNATIONS A SPECIALTY.

Rooted Cuttings. Young Plants. Field Grown Plants in season. Write for prices.

GEO. HANCOCK & SON, Grand Haven, Mich.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



## \* YOUNG PALMS FOR GROWING ON \*

We have an immense stock of the following young Palms in exceptionally fine condition which will be found of good value for growing on.

### ARECA LUTESCENS.

75 cts. per doz.  
24-inch pots, 6 inches high. \$6 per 100.  
\$50 per 1,000.  
\$1.25 per doz.  
3-inch pots, 12 to 14 inches high. \$10 per 100.  
\$95 per 1,000.

### KENTIA BELMOREANA.

24-inch pots, 3 leaves, 8 to 10 inches high. \$2 per dozen.  
\$15 per 100.  
3-inch pots, 4 leaves, 10 to 12 inches high. \$3 per dozen.  
\$25 per 100.

### KENTIA FORSTERIANA.

24-inch pots, 3 leaves, 6 in. high. \$1.25 per doz.  
\$10 per 100.  
3-inch pots, 4 leaves, 10 to 12 inches high. \$2 per dozen.  
\$15 per 100.  
4-inch pots, 4 to 5 leaves, 15 to 18 inches high. \$1.50 per doz.  
\$35 per 100.

### COCOS WEDDELIANA.

24-inch pots, about 5 inches high. \$2 per dozen.  
\$15 per 100.

Owing to a scarcity of this variety the price is about 50 per cent higher than last year. We have but a limited stock of this variety to offer.

### LATANIA BORBONICA.

75 cts. per doz.  
2-inch pot, 3 to 4 leaves. \$5 per 100.  
\$40 per 1,000.  
\$1.25 per doz.  
3-inch pots, 4 to 5 leaves. \$10 per 100.  
\$90 per 1,000.  
\$3 per dozen.  
4-inch pots, 4 to 5 leaves. \$25 per 100.  
\$3 per dozen.

The 3-inch pots are just beginning to show character nicely, while the 4-inch are nicely developed plants.

### Chamaerops Exce'sa.

2-inch pots. \$1.25 per doz.  
\$5 per 100.

### Cocos Plumosa.

3-inch pots, 15 inches high. \$1.25 per doz.  
\$10 per 100.

### Ptychosperma Alexandrae.

2-inch pots, 5 inches high, 3 leaves. \$1.25 per doz.  
\$6 per 100.

### Livistona Rotundifolia.

A nice lot of small plants of this scarce variety in 2-inch pots. \$2.50 per doz.  
\$20 per 100.

## HENRY A. DREER,

714 CHESTNUT ST.

PHILADELPHIA, PA.

## PALM

## SEEDS

We are now booking orders for the following Palm Seeds which we expect in the course of the next month, and repeat that we guarantee full germinating power and replace seeds non-germinating.

	Per 1000	Per 5000	Per 10000
Cocos Weddeliana...	\$12.00	\$55.00	\$100.00
Areca lutescens...	10.00	47.50	90.00
Areca rubra...	10.00	47.50	90.00
Geonoma gracilis...	12.00	55.00	100.00
Geonoma schottiana...	15.00	65.00	120.00
Lantana borbonica...	2.75	12.00	20.00

Send your order at once if you wish to receive first-class seeds.

On hand in excellent condition:  
Per 100 Per 1000  
Corypha (Livistona) australis... \$ .75 \$5.00  
Phoenix tenuis... .60 4.00

Chas. Schwake, 404 E. 34th St., New York.

## HERMOSA ROSES.

FIRST SIZE.....per 100, \$5.00; per 1000, \$45.00  
SECOND SIZE.....per 100, 7.00; per 1000, 60.00  
HOLLAND CROWN, 2 year, strong.....per 100, 10.00.

## H. P. ROSES, 2 YEAR (Budded).

All Leading Varieties.....per 100, \$10.00

CLOTHILDE SOUPERT, 8 to 12-inch, strong.....per 100, 10.00

## CLEMATIS (Jackmanni and type).

Holland grown, 2 year.....12 for \$3.75; per 100, \$27.50

Holland grown 3 year.....12 for 4.80; per 100, 38.00

HYDRANGEA P. Cr., 4 feet, strong.....12 for 1.50; per 100, 10.00

## VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH ST. E. CHICAGO.

## 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

### NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

## NOVELTIES

For FLORISTS and SEEDSMEN.

ROSES—White Rambler, Golden Rambler, New Climbing Meteor and Carmine Pillar.

CRIMSON RAMBLER—800 per 100. Field grown, \$15.00 per 100. Extra fine plants 3 to 5 feet high, \$25 per 100. Other roses at low prices. Send for list.

SPIRAEA ANTHONY WATERER—The Crimson Spiraea. The Ideal Pot Plant for Florists. Introduced last year at \$2.00 per plant, our price to-day \$8.00 per 100.

BULBS—Chinese Sacred Lilies, \$4.00 per 100. Lilium Candidum, fine bulbs, \$2.00 per 100. L. Longiflorum, \$2.00 per 100. L. Speciosum Album, \$6.00 per 100. L. Spec. Rubrum, \$5.00 per 100. L. Auratum, \$3.00 per 100. All other bulbs.

CANNAS—12 New Cannas, our own raising, \$6.00, warranted satisfactory or money refunded. Crozy's Cannas of '94 20 cts each; set of 50, \$3.00. 50 named cannas, 50 sorts for \$5. French Cannas, \$12 per 100.

DAHLIAS—All the latest Introductions. Mrs. Pearl the white Cactus Dahlia, \$10 per 100. Nymphæa, the pink cut flower Dahlia, \$7 per 100. Mixed Dahlias, \$4 per 100.

IMPERIAL MORNING GLORIES—Double and single flowers, 6 inches. Seed, \$8, \$10, \$20 and \$40 per pound.

FANCY FLOWER POTS AND JARDINIERS—Largest assortment in the country. Send for catalogue.

A. BLANC & CO.,

PHILADELPHIA, PA.

## ROSE QUEEN, Rooted Cuttings,

the best paying CARNATION in the market. Also a few other good varieties. Clean and healthy, never had rust on my stock. Send for price list.

FRED. SCHNEIDER, Florist,

751 Crawford St., Cleveland, O.

## ROSES

H. P. LOW BUDDED.

LILAC Marie Legraye, pot-grown.

CLEMATIS, extra strong.

AZALEA MOLLIS, dwarf and standard.

ENGLISH IVY, 4 to 5 feet long.

SPIRAEA JAPONICA, strong clumps.

Kalmia, Rhododendron, Snowball, and other Nursery Stock.

L. C. BOBBINK, RUTHERFORD, N. J.  
Branch of The Horticultural Co., Boskoop, Holland.

## CHOICE SEEDS.

PETUNIA GRAND FIM. FL. PL

The largest and finest strain of double fringed and mottled Petunias to be had. All who see these Petunias say they are the finest they ever saw. Extra.

### VERBENA GRANDIFLORA.

An exceedingly fine collection of Giant flowering varieties; flowers one inch in diameter of the most snowy colors. My customers write that this is the finest strain of Verbenas they can get; requires no better evidence of superiority. Every florist should sow of it.

### CYCLAMEN GIGANTEUM.

A magnificent collection of the finest plant flowering varieties; largest flowers and best colors.

Each, per trade pkt., 25c.; 3 pkts., 50c.; 6 pkts., \$1.00. I will here thank my florist friends for the many letters of commendation received during the past year.

JOHN F. RUPP, Shiremanstown, Pa.

Mention American Florist.

## SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

When writing mention American Florist.

## Pansies Worth Raising.

Good medium sized plants from frames, \$5.00 per 1000. All others inaccessible at present. Cash with order.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.  
Near West Side Ave. Depot of Newark & N. Y. R. R.

## DO YOU WANT CARNATIONS?

If so, why not GROW the BEST?

50,000 ROOTED CUTTINGS, including Daybreak, Wm. Scott, Goldfinch, Lizzie Gilbert, Emily Pierson, Lizzie McGowan, Tidal Wave, S. Spray, Hinz's White, &c.

Can do you justice in quality and prices. Write me before you buy. Address CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

### DOUBLE PETUNIAS.

In 10 varieties, \$1.25 per 100 by mail. Orders booked now for ROOTED VERBENA CUTTINGS, 20 vars., \$5.50 per 1000, express prepaid.

C. HUMFELD, Clay Center, Kan.

## Syracuse, N. Y.

The weather for three days before Christmas was wet and disagreeable, which seriously interfered with the florists, still trade was very good and all are quite satisfied. Carnations were in most demand. Roses were scarce and dear. Violets were fine and sold well at \$2 50. Valley and bulb stuff there was not much call for. Holly was in good demand. F. H. Ebeling, the holly king here, says his sales were 50 per cent larger than any previous years. Palms and flowering plants did not sell as well as could be expected, still quite a number were sold.

Many of your readers who have visited Syracuse must have been pleased with the great improvement that has taken place in our parks and squares during the last few years. Mr. Thos. Bishop has proved himself a most competent superintendent, but politics are queer things, and as the political complication of our city government is entirely changed there is a great fight going on for Mr. Bishop's place. He is indorsed by bishops, doctors and the leading men, but as a politician remarked to me the other day "that don't cut no ice" in politics, to the victor belongs the spoils, which to my mind is the worst feature in our politics. Every member of the Central New York Horticultural Society (of which Mr. Bishop is a charter member and has been a very energetic worker) will regret very much any change in the park department. H. Y.

## Ottawa, Canada.

The weather for ten days has been mild enough to take away our sking, causing all business people but the craft to howl. To the latter it was a bonanza as plants were delivered in the open wagon. On December 23 and 24 trade was quite 50% better than last year, especially in plants, begonias, ferns, palms, primulas and cyclamens being most in demand. The few azaleas in were picked up quickly. There was not near enough cut flowers, and they could not be imported, duty paid and sold at a profit in Ottawa.

My opinion is the growers are making a mistake by doubling prices at Xmas. After a retailer and small grower has struggled through the holidays, stood all the grumbling of his customers and paid all big bills he is liable to make up his mind to give an order for glass and try to grow more, while if prices were fair he would not think of doing so.

Harry Parks, who disappeared last summer, has not yet turned up. Mrs. Parks is selling the greenhouse stock and will stop the steam in a few days, but will continue the store. ZERO.

## GERANIUMS.

### ROOTED CUTTINGS.

Most approved bedding sorts, largely Semi-Double and Single scarlets. Double and Single white, pink, salmon, dark crimson and a variety of other choice colors.

Price in assortment, \$12.00 per 1000 labelled. \$10.00 per 1000, or \$1.50 per 100 not labelled. Herr's Fancies. A strain right up to the top notch of perfection, 75c. per 100; \$5.00 per 1000. Stock grown by Daniel K. Herr.

ALBERT M. HERR,  
LANCASTER, PA.

## BOXES! BOXES! BOXES!

Three-Piece Wood Mailing Boxes.

The neatest and strongest box in the market. Send 15 cents in stamps for sample nest. We also make Cut Flower and Express Boxes. Thin Lumber sawed to order for packing.

ADDRESS **W. E. SMITH,**  
KENTON, Hardin Co., O.

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

## ONE THOUSAND CAR LOTS of OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morelos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR. 1000 ACRES. 29 GREENHOUSES.

## THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

## TWO BEAUTIFUL NEW CHRYSANTHEMUMS

GRETCHEN BUETTNER.

A large, beautiful white of great depth; distinct in color and form. Strong stem and fine foliage. 3½ ft. Crown bud. Certificate of Merit Horticultural Society, Chicago. First Class Certificate N. C. S. (See AM. FLORIST, Nov. 16)

\$5.00 PER DOZEN; \$35.00 PER 100.

READY MARCH 1, 1896.

MRS. E. BUETTNER.

A beautiful clear yellow reflexed flower, in form like Morel, with excellent stem and foliage. Late. 3½ feet. Crown bud.

First Class Certificate N. C. S.

\$4.00 PER DOZEN; \$25.00 PER 100.

ORDERS BOOKED NOW.

E. BUETTNER, Park Ridge, Ill.

## PINK IVORY,

(MISS AGNES L. DALSKOV.)

STOCK PLANTS, \$22.00 per Dozen; \$2.00 each.

Cash with Order.

M. HANSEN, New Durham, N. J.

## OUR NEW CHRYSANTHEMUMS FOR 1896

Have been fully indorsed by the  
Chrysanthemum Society  
of America.

Descriptions and prices free on application.

NATHAN SMITH & SON,  
Adrian, Mich.

## MARQUIS DE MONTMORT AND MERRY MONARCH,

50 cts. each; \$5.00 per dozen.

Marion Henderson and Major Bonnaffon,

25 cts. each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

DAILLEDOUZE BROS., Flatbush, N. Y.

## CHRYSANTHEMUMS

All the best new and old varieties.

Send for List to

EDWIN LONSDALE,

Chestnut Hill,

Philadelphia.

## CHRYSANTHEMUMS.

80 New Varieties, including

Miss M. M. Johnson, J. E. Lager, Philadelphia. Minerva, Marie Louise, J. H. Troy, Mrs. Henry Robinson, Sunrise, Miss G. Pitcher, John Shrimpton, Royal Windsor, Mrs. S. T. Murdoch, L. W. Riemann, Miss F. Pullman and Zulinda. Fifteen plants for \$1. Send for catalogue. Address

M. B. LITTLE, Glens Falls, N. Y.

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## Surplus Stock.

3-inch SMILAX PLANTS, \$1.50 per 100.

CHRYSANTHEMUMS.

Queen, Ivory, Wanamaker, Humphrey, Medusa, Oct. Beauty, Helen Bloodgood, Whitworth, Fishers' Torch, Yellow Queen, Pitcher & Manda	Lady Slade, Mary Morgan, Maud Dean, Harry Balsley, Hallowell, Vivian-Morel, Inter Ocean, Wm. Trelease, G. W. Childs, W. H. Lincoln, Amoor.	Wildener, Whitlkin, Major Bonnaffon, E. Dailedouze, Craze Lippincott, Golden Wedding, L. C. Madeira, Sunderbruch, Philadelphia, Source d'Or, J. Shrimpton, Gettysburg, Minerva.
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STOCK PLANTS, 2c each; 10 for \$1.00; 25 for \$2.00. CUTTINGS, \$1.00 per 100. ROOTED, \$1.50 per 100.

Schmidt Bros', Floral Park,  
220-224 W. Fulton St., Grand Rapids, Mich.

## CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery from March 1st. Cultivated Cycas always on hand, rooted and well established, at low prices.

Lil. Auratum, Spec. Rubrum and Album, Etc.  
Iris Kæmpferi, in 100 choice varieties.  
Japanese Maples, in best varieties.  
Camellias, Pæonies, Tree Ferns, Rhapis, Etc.  
Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

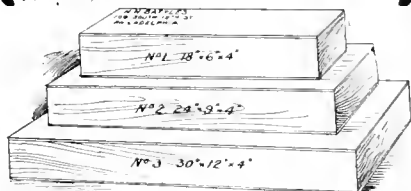
F. Gonzalez & Co.

303 to 312 Wayne St., SAN FRANCISCO, CAL.

## E. G. HILL & CO., Wholesale Florists RICHMOND, INDIANA.

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**The Retailer** requires a neat box to ship orders by Express—a box strong enough to stand some knocks. Here it is, smooth, well finished, lock-cornered, in three sizes, as approved and adopted by H. H. Battles, Joseph K. & Son, and other prominent retailers in Philadelphia. Light, strong, well-finished and the best thing of its kind up to date. And not the least of its beauties is the low price. The stock used is well-seasoned poplar  $\frac{1}{4}$ -in.,  $\frac{3}{8}$ -in. and 5-16 in. in thickness.



No.	PER 100	PER DOZ.	PRINTING.
No. 1	\$11.25	\$1.65	Your name and address on each box FREE in lots of 100 or over. In smaller lots add 25c for printing.
No. 2	20.00	2.70	
No. 3	22.50	3.00	

**The Grower** who carries his flowers to market should not be a day without our "Growers' Box." Made in two sizes, with brass corners and braced inside and out, heavily shellacked and absorbs no moisture No. 1, 36x12x6, per set of three, \$2.70; No. 2, 30x12x6, per set of three, \$2.55. In constant use by nearly all the growers in this vicinity and acknowledged to be the best of its kind anywhere.

G. C. WATSON, Wholesale Seedsman,  
43 North 10th St., PHILADELPHIA.

### NEW CROP

**Cibson's Progressive Verbena Seed**, an advance on all previous productions. All grown specimen flowers of many of the kinds  $\frac{1}{2}$  inches across and easily span a silver half dollar, and of the most intensely brilliant and varied colors. In the mixture per trade pkt. 25c;  $\frac{1}{4}$  oz. 50c; per oz. \$3. White Plume, separate, per trade pkt. 30c;  $\frac{1}{4}$  oz. 60c; per oz. \$4. Purple, with distinct white eye, per trade pkt. 30c. Trial pkt. 10c, either kind.

**Petunia Cal. Giant**, finest selection, per 100 seeds 40c. Single fringed, Dreer's selected stock, per 1000 seeds 50c. The Wonderful Dakota Primrose, 2 to 4 inches across, 100 seeds 10c. Scabiosa Snowball (pure white) and mixed colors, per pkt. 5c; trade pkt. 25c. Dwarf French, gold striped Marigold, pkt. 5c; trade pkt. 25c. Verbena, stock plants, 3-in. including latest novelties, labelled, \$1; mixed \$2; from flats, labelled, \$2.50; mixed \$2; rooted cuttings 10c per 100; \$5 per 1000.

**No disease.** We grow the largest Verbenas known. Variegated Vibenas, strong field-grown, 3-inch 5 to 8 shoots, \$5; nice young plants, flats, \$2; rooted, \$1 per 100, \$8 per 1000. The beautiful new Star Carnas, the set of 15 magnificent kinds \$4.50 and 4-inch. Dry Feet, single eyes, \$5 per 100 all named. Mixed Crozy Seedlings, dry \$3 per 100. For other interesting specialties see descriptive list, gratis.

All reliable stock sent post free  
And every risk assumed by me.  
While good satisfaction I guarantee,  
Your continued favors is my plea;  
Address cash with order, please.

Very truly yours for service.

J. C. CIBSON, Woodbury, N. J.

## Palms & Ferns.

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 & 5-inch \$3.50, 20 for \$6; 6-in. for \$5. All good selected varieties. Special sale: Choice FERNS, \$5.00 and \$6.00.

ROSES AND GERANIUMS, LABELS,  
MOSS, ETC.

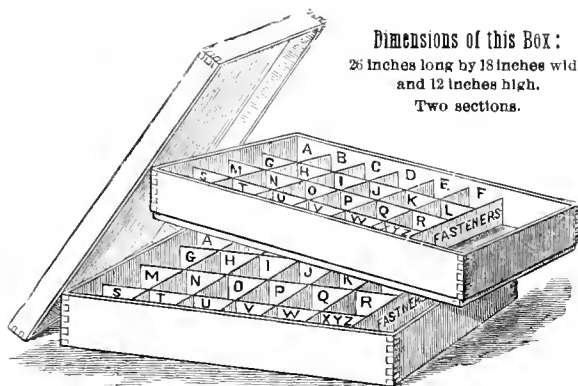
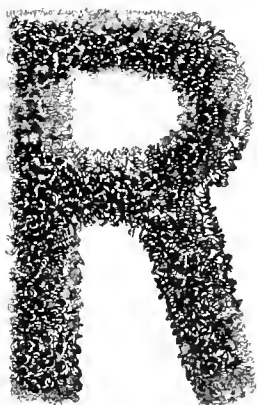
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## RIBBON

FLORISTS' SPECIAL COLORS:  
American Beauty, Mermet, Violet,  
Narcissus, etc. Samples free.

Cash with order. . . . . Reference: THORLEY.

H. M. WEISEL,  
156 East 72nd Street, NEW YORK.



Dimensions of this Box:  
26 inches long by 18 inches wide  
and 12 inches high.  
Two sections.

The wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

## BOSTON FLORIST LETTER CO.

Manufacture the Best Letters in the Market.

Sizes  $1\frac{1}{2}$ -in. and 2-in. 2.00 per 100. Patent fastener with each letter.

OUR NEW SCRIPT LETTER, \$4.00 per 100.

N. F. MCCARTHY, 13 GREEN ST.,  
Treas. & Mangr. Boston, Mass.  
Office, 84 Hawley Street.

We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers Boston.

## Florists' Supplies,

Useful for store and greenhouse work. Contained in our new Wholesale Catalogue for 1895 and '96, issued last fall. If you have not received a copy, send for one with your business card.  
We sell at wholesale only.

Address August Rölker & Sons,  
136-138 W. 24th Street, NEW YORK.

H. BAYERSDORFER & CO.,  
WHOLESALE  
FLORISTS' SUPPLIES ONLY,  
58 N. 4th Street,  
PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

M. RICE & CO.,  
Florists' Supplies,  
23 & 25 N. 4th St., PHILADELPHIA, PA.

Send for Catalogue.

Mention American Florist



WHITE DOVES  
FOR FLORISTS.

Largest and finest stock in the United States. Write for prices to

S. J. RUSSELL,  
203 Summit Ave., JERSEY CITY, N. J.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

## J. N. STRUCK & BRO.

Manufacturers of

## • CYPRESS •

Greenhouse Material,  
LOUISVILLE, KY.

## DEATH TO INSECTS

## Rose Leaf

EXTRACT OF TOBACCO.

PRICE REDUCED  
5 Gallons for \$5  
Louisville Spirit Cured Tobacco Co.,  
LOUISVILLE, KY.

## WOOD LABELS

for Nurserymen and Florists.

Wired Printed Tree Labels a Specialty.

"Highly Commended" at the last Florists' Convention, as well as by all who have used them. Send for samples.

BENJAMIN CHASE, Derry, N. H.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



## News Notes.

SING SING, N. Y.—Geo. Classman has just completed a new greenhouse 25x60.

GRAFTON CENTER, MASS.—Frank Fisher & Son of Elm Lodge Greenhouses, added a new palm house last fall.

MADISON, WIS.—It is reported that the greenhouses and stock of F. W. Bræze have been attached to satisfy a chattel mortgage.

CLARKSVILLE, TENN.—J. J. Crusman, proprietor of the Evergreen Lodge Greenhouses, is reported to have made an assignment December 23.

KALAMAZOO, MICH.—Notwithstanding the continuous rain holiday trade averaged up well, though prices were somewhat lower than usual. Stock of all kinds sold out clear.

LENOX, MASS.—The Lenox Horticultural Society has elected the following officers for 1896: President, E. S. Haff; vice-president, A. H. Wingett; secretary, H. P. Wookey; treasurer, E. J. Norman.

PITTSBURG, PA.—A. C. Johnson, receiver of the B. A. Elliott Co., will sell the property on which the greenhouses are located. There are mortgages against the property for \$13,090. The sale will take place January 23 in the vestibule of the court house.

SWAMPSCOTT, MASS.—E. G. Blaney, Jr., has built one house 100x12 for chrysanthemums, with store connected, fronting on Main street. This improvement has been followed by a marked increase in trade. He has also changed his system of heating from hot water to steam and put in a new 25 H. P. boiler.

BATTLE CREEK, MICH.—Florists here did a prosperous Christmas business. More carnations and roses could have been sold. Good teas sold at \$1.25 to \$1.50 a dozen, carnations 50 cents. For three weeks previous to December 21 roses and carnations could not be unloaded at any price. McCrea & Cole had an 80 foot house of chrysanthemums, mostly Wanamaker, grown in low bushy form which found ready sale. D. W. Lovell, who bought out the H. W. Landreth stock of seeds, etc., has gone out of the seed business.

## Wanted.

100 PIN OAKS, 8 to 12 feet.

100 WHITE OAKS, 8 to 10 feet.

ANDORRA NURSERIES,  
WM. WARNER HARPER, CHESTNUT HILL,  
Manager. PHILAD'A, PA.

## Jones, McDuffee & Stratton, Plant Pots and Pedestals

of all grades, sizes and values, direct from the best Potteries of England, France, Germany, China Japan and the U. S.

WHOLESALE AND RETAIL.  
120 Franklin St. cor. Federal, Boston, Mass.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.



BOUQUET GREEN. For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.  
SPHAGNUM MOSS a specialty. Long, clean fibre, dry or green, \$1.00 per barrel, or six barrels for \$5.00. Write for terms on large lots. Terms cash, or goods will be sent C. O. D.

**L. B. BRAGUE, Hinsdale, Mass.**

## EVERGREEN CUT FERNS

ESPECIALLY FOR FLORIST'S USE.

**\$1.25 PER THOUSAND FERNS.**

IN LOTS OF 5000 AND UPWARDS, \$1.00 PER 1000. Ferns furnished the year round. Special attention given to supplying the Wholesale Trade.

BOUQUET GREEN. For Holiday Trade, \$2.00 per barrel (thirty pounds), or \$6.00 per hundred pounds. Special reduction on wholesale lots.  
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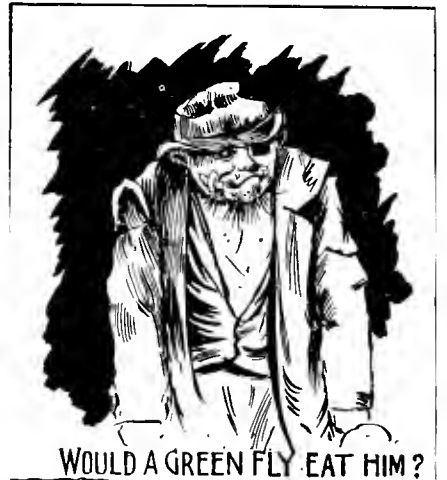
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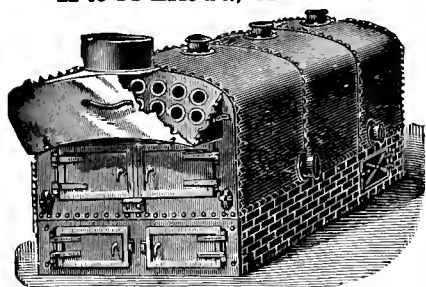
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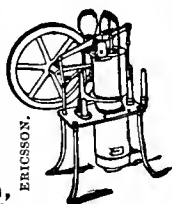
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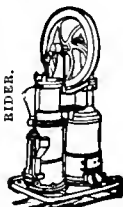
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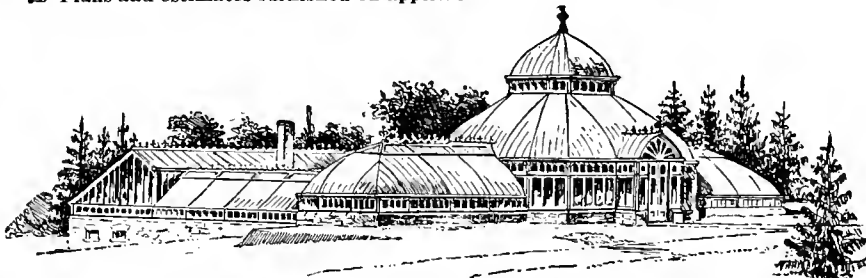
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1866.

## News Notes.

LEXINGTON, MO.—J. P. Coen, Jr., has added three new houses. Mrs. G. F. King has gone out of business.

RANDOLPH, MASS.—M. L. Tyrell has added one house, and B. L. Clark has also built one. Mr. Darley has built one house 150x20.

BUTTE, MONT.—Christmas trade was double that of any previous year. By Christmas day there was not a rose or carnation unsold.

SWAMPSCOTT, MASS.—Christmas and Thanksgiving trade were far ahead of last year, everything in the shape of flowers bringing a good price.

ROCKVILLE, CONN.—Christmas trade was very satisfactory. Emil and Herman Schmeiske had a big decoration at the Memorial Hall, which was much commended.

TOLEDO, O.—Christmas trade was very satisfactory. There was a big demand for both flowers and plants. Carnations sold extra well. In plants quite a number of Harrisii, primroses and palms were sold.

BATAVIA, ILL.—P. G. Pearson, who entered the florist business last spring, is erecting two houses at present, and intends to put up two more next spring. He will grow for both wholesale and retail market.

MACOMB, ILL.—Mr. S. M. Mullen now has charge of Mr. I. L. Pillsbury's place here, the business being conducted under the title I. L. Pillsbury & Co. Mr. Lengfelder has no longer any connection with the business and is now in Chicago.

BANGOR, ME.—Christmas trade was nearly double that of any previous year. All the florists did a rushing business and everything sold at good prices. Roses brought from \$3 to \$4 a dozen, carnations 75 cents, violets 75 cents a bunch, hyacinths and narcissus \$1 a dozen. Holly sold well.

RICHMOND, IND.—Christmas trade was about 20% larger than last year, with good demand for roses at \$2 a dozen. Romans, narcissus and carnations sold at \$1 a dozen. Larger demand for plants than ever before. Beach & Co. report good sales on palms, Harrisii, callas and primulas. Stock was only medium; the cloudy weather was a great drawback on cut flowers, especially violets.

ST. THOMAS, ONT.—Last November florist Hugh McLean sent a box of choice chrysanthemums to Queen Victoria in which were blooms of his new variety "Victoria," and he has received the following acknowledgment: "The private secretary is commanded by the Queen to thank Mr. Hugh McLean for his letter of the 20th ult., and for the chrysanthemums he was kind enough to send to Her Majesty."

## FLOWER POTS.

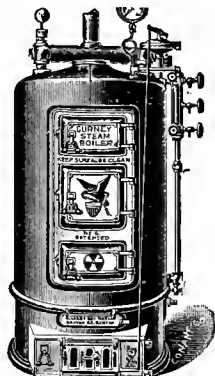
We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

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Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

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## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipple Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

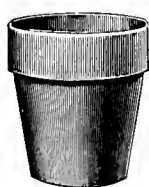
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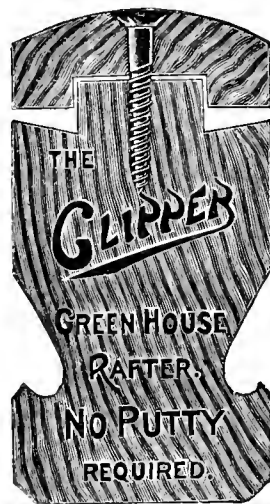
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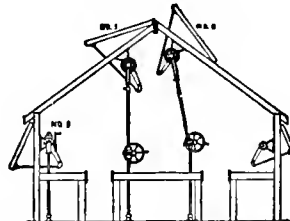
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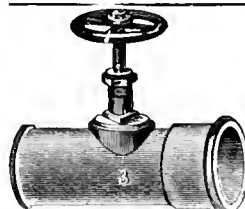
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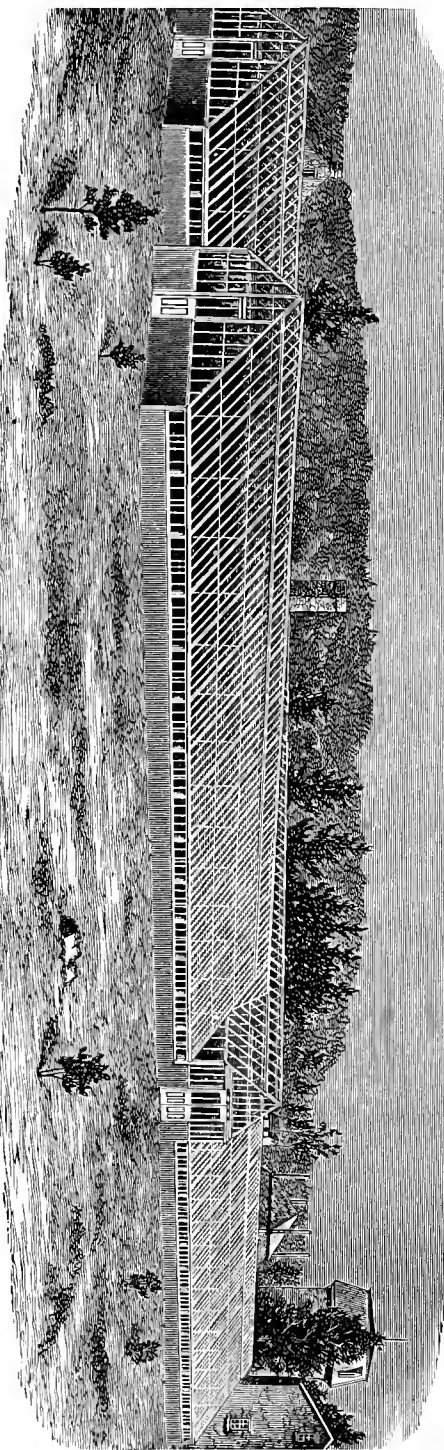
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# THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XI.

CHICAGO AND NEW YORK, JANUARY 11, 1896.

No. 397

## THE AMERICAN FLORIST

Copyright 1896, by American Florist Company.  
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY,  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### SOCIETY OF AMERICAN FLORISTS.

WM. SCOTT, Buffalo, president; ADAM GRAHAM Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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### Imports From Japan.

The United States Consular officials in Japan still forbid the exportation of bulbs and plants to this country, and the import trade in these is at a standstill. The order was originally issued through fear of the bulbs and plants carrying cholera germs, but as near as we can learn there has been no cholera in Japan since last November, and it certainly seems inconsistent to prevent the importation of plants and bulbs when oranges, tea, rice and silk are freely shipped. To exclude the tree and still admit the fruit seems ridiculous.

THE CHECK LISTS of roses and chrysanthemums in the new directory are nearly twice as long as in the old book. They are the most comprehensive lists ever published.

### Wooded Island Shore Planting.

Allow me to make quotations from an important article entitled "Landscape" in your issue of January 15, 1890, which is signed by "An Attentive Reader."

"Can that which is discriminatingly called landscape gardening and that which is discriminatingly called ornamental gardening be fused together so that a given work may be regarded as a perfect combination of both? Is there, or is there not, a liability in attempting such a combination that the purpose of one will antagonize the purpose of the other and the result be confusion rather than fusion, disunity rather than unity? Does the term 'park like' mean anything that the term 'garden like' does not?" After observing that "the irreconcilable answers to such questions that must underlie the habits of men of different mind \* \* \*

\* \* \* may be observed by two or three examples," your correspondent then makes the following quotation from a paper which was read before a florists' convention to suggest how one person (Mr. Wm. McMillan) would answer them.

"In dealing with any ground of sufficient size to have a distinctive landscape character, the general aim (of landscape gardening) will be to make a harmonious combination with the dominant characteristics which nature has already stamped upon the site. \* \* \* To seek a fuller or a richer development of the essential leading features, simply softening what is hard, clothing what is bare, filling out what is meagre and enriching what is beautiful, all in harmony with the original type." The most important features (the meadow and the pond) of a park thus treated is then described by "An Attentive Reader," in which "No object calls for special admiration by itself. Nothing is obtrusive."

Another correspondent, "Observer," looking at the same park from a different standpoint speaks of it as "acres of dreary monotony," and still another speaking again of the same park says "that there was nothing in it that was worth to him the five cents which it cost him to see it, \* \* \* but he does not question that from a 'landscaper's point of view' it may have some interest." "An Attentive Reader" then remarks that "It would be better to say that there are really two arts, each having distinctive aims and principles, to both of which the name of gardening is applied and is apt to be confusingly applied. To distinguish one from the other the prefixes *landscape* and *ornamental* or *decorative*, are sometimes used. It may be said that works of landscape art are addressed to one class of human sensibilities, works of ornamental gardening to another."

The lagoons and the planting on their borders which formed such an important element in the design of the World's Fair

were universally recognized as a work of landscape art. That they were based upon such principles as those laid down by Mr. McMillan will be evident to those who recognize that lagoons similar in character form a part of the natural landscape along the lake shore and that the planting along the lagoons at the World's Fair was only an enrichment of the native growth to be found growing in similar places. To give an adequate idea of the original purpose of the designer of this planting a quotation must be made from Mr. Olmsted's "Memorandum as to what is to be aimed at in the planting of the lagoon district of the Chicago Exposition as proposed March, 1891." "The three main objects to be had in view in the shore planting are: First, to make an agreeable low foreground over which the great buildings of the exposition will rise, gaining in grandeur of effect upon imagination because appearing at a greater distance, and more lofty than they would but for such a foreground. Second, to establish a considerable extent of broad and apparently natural scenery, in contemplation of which a degree of quieting influence will be had, counteractive of the theatrical grandeur and the crowds, pomp, splendor and bustle of the rest of the exposition. Third, without losing a general unity and continuity of character in the shores, to secure, whatever time, with all possible exercise of skill for the purpose, will allow, of mysterious poetic effect through the mingling intricately together of many forms of foliage \* \* \* but it is not desired that there should anywhere appear to be a display of flowers demanding attention as such. Rather the flowers to be used for the purpose should have the effect of flecks and glimmers of bright color imperfectly breaking through the general greenery. Anything approaching a gorgeous, garish or gaudy display of flowers should be avoided." Mr. Olmsted then sets forth the serious difficulties to be encountered in regarding the design within the limits of two growing seasons such as the uncertainty as to the elevation of the water during the exposition, the certainty of an irregular fluctuation from day to day, the destruction of recently planted plants by the ice and cold of winter, the difficulty of securing competent men to accomplish such work, the low temperature of the water late into spring, etc. To accomplish the design outlined the strip of land along the shores which was likely to be alternately submerged and laid bare by the fluctuating water was sodded with turfs of cat-tail, sweet flag, iris, sedges and grasses that were collected from similar locations near Chicago. Thus was the line at which the water meets the shore obscured by aquatic plants, and the effect produced by this planting is gradually uniting the herbage of the land with the broad stretches of water is admirably

shown in the two illustrations which you have provided. The greater part of this semi-aquatic planting may be considered as permanent.

Other photographs serve fairly well to illustrate certain effects that it is desirable to secure in certain kinds of landscape planting—intricacy, contrasts of light and shade, and variety in sky line. But some of your photographs also show on the land side of shore plantations especially effects that one would look for in the garden or in the lawn garden, rather than in a landscape. It must be borne in mind in examining these photographs, and especially in examining the planting on the ground that it was all designed with reference to special conditions which have now passed away, and that to provide for these special conditions it was necessary to use much material that is quite unfit to produce such permanent effects as are called for by the new uses to which the grounds are to be put. The plantations are full of such plants as willows and poplars that will if they are allowed to grow as they now stand form thickets so high that all vistas across the lagoon will be closed in, and so dense that much valuable material of permanent value would be destroyed which will now be saved and developed by a general process of thinning. Much of the *Eulalia japonica* which is such a conspicuous object in some of the photographs will also be removed. It was a rapid growing available plant that was used freely to help produce the evanescent effect called for by the World's Fair spectacle; where it is kept subordinate by other plants it may be allowed to stay. The same is true of other plants that, like this, belong more properly in a garden rather than a landscape scene. WARREN H. MANNING.

MEMORANDUM AS TO WHAT IS TO BE AIMED AT IN THE PLANTING OF THE LAGOON DISTRICT OF THE CHICAGO EXPOSITION, AS PROPOSED MARCH, 1891.

As far as it is possible, between the present time and May, 1893, the lagoon must be made to look like a natural bayou, secluded, shallow and placid, but not suggestive of stagnancy or any form of foulness or unhealthfulness. Its low, sterile, sandy shores must be given a rich, affluent, picturesque aspect, in striking contrast alike with that of the present ground, the shores of the great lake, the margins of the basin in the great court and the canals yet to be formed, and with the bare and prosaic shores of the ponds heretofore made in Jackson and Washington Parks. The desired result in this respect is to be accomplished largely by thick, luxuriant growths of herbaceous, aquatic vegetation along the shore, rooted partly above and partly below the surface of the water.

The best of the few poor trees now growing on the island are to be retained, and, if possible, forced by an enrichment of the soil into finer foliage. Between them and the water plants, bushes and young trees are to be introduced so as to make the island from the east appear a broad, continuous, close bank of verdure. Nearly everywhere else, except where formal terraces are to be formed near the shore, three main objects are to be had in view in the shore planting:

First, to make an agreeable low foreground over which the great buildings of the exposition will rise, gaining in grandeur of effect upon the imagination because appearing at a greater distance, and more lofty than they would but for such a foreground.

Second, to establish a considerable extent of broad and apparently natural scenery, in contemplation of which a degree of quieting influence will be had, counteractive to the effect of the artificial grandeur and the crowds, pomp, splendor and bustle of the rest of the exposition.

Third, without losing a general unity and continuity of character in the shores, to secure whatever time, with all possible exercise of skill for the purpose, will allow, of mysterious poetic effect, through the mingling intricately together of many forms of foliage, the alternation and complicated crossing of salient leaves and stalks of varying green tints in high lights with other leaves and stalks behind and under them, and therefore less defined and more shaded, yet partly illumined by light reflected from the water. So far as consistent with this last purpose, of obscure and subdued poetic beauty through the intricate conjunction of various forms of vegetation and complex dispositions of light and shade, it is intended that the shores



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should have a somewhat gay and festive aspect through a profusion of foliage. But it is not desired that there should anywhere appear to be a display of flowers demanding attention as such. Rather the flowers to be used for the purpose should have the effect of flecks and glimmers of bright color imperfectly breaking through the general greenery. Anything approaching a gorgeous, garish or gaudy display of flowers is to be avoided. It will be easier to accomplish what is thus to be aimed at, even if flowers are used profusely, because, to the great body of visitors the lagoon plantations will only be seen from a distance and from nearly a horizontal point of view on the shore opposite that on which they stand. Roots will be prevented from closely approaching the plantations.

While the greater number of plants to be used will be such as are indigenous to the river banks and swamps of Northern Illinois, and, therefore, hardy, in order to increase intricacy and richness of general effect many are to be scattered among them that a botanist, looking closely, would not have grown in the locality naturally. The work is thus to be in some degree of theatrical character of a theatrical scene, to occupy the exposition stage for a single summer. But it is not intended that the slightly exotic form of verdure to

be thus used shall call any more than the flowers, for individual notice. Rather, seen as they will generally be, at some distance, they will merge indistinguishably with other forms of verdure, and not suggest a question as to what they are, or how they have come to be where they are. The line at which the water meets the shore is intended, hardly ever to be seen, being screened by aquatic plants growing above and below it.

There are several serious difficulties to be overcome in realizing this design thus set forth, and they must be met by original expedients. The chief of these difficulties is that of the uncertainty of the normal elevation which the water will have during the period of the exposition, and the certainty that whatever this normal elevation shall be, it will fluctuate irregularly from day to day, so that what is dry ground at one time will be flooded at another. The only means of dealing with this difficulty thus far proposed to be used is that of providing plants very liberally which will stand a good chance to flourish, although their roots are sometimes high above water, and sometimes submerged. Trials of numerous plants must be made in the summer of 1891 with reference to this purpose, and large reserves of a class of plants of small cost, sure to succeed, must be prepared for re-planting any ground where better





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sorts shall either be drowned or dried out, so that in no case will the shores at any point appear sparsely furnished, much less unfurnished or barren.

Another difficulty is that of guarding against the danger that plants that will have been established on the shore in the summer of 1892, will be lifted or bruised destructively by the ice of the following winter. This can be provided against, in some degree, by cutting the plants closely and by laying loose litter over and about them late in the fall, by cutting the shore ice free from the central body of ice in the lagoon and by stakes or otherwise preventing it from floating off until it gradually melts in place.

Another difficulty is that as there will be several miles in length of the shore planting to be done, and as the planting season will be short, and the men employed working at disadvantage in the ice-cold water, a satisfactory direction and oversight of the large number of unskilled laborers required can only be had through an extensive and elaborate system of management, carefully organized in advance, with a view to this difficulty. At best, the work of planting must be expected to be done in a comparatively rude way which it will be difficult to get gardening foremen to efficiently direct. Plants, therefore, that require delicate treatment, or that do not take root readily in wet, sandy ground, can be little depended on. The plants must be set thickly and there will be little or no opportunity to cultivate them after they are set.

Another restriction on the class of plants to be extensively used is that, owing to the packing of ice along the shore in the southern part of Lake Michigan, the water often remains at a wintry temperature until after the time set in the spring for the opening of the exposition, nor does it become as warm during the entire summer as the water in many streams, ponds and swamps in the same latitude. Hence, many water plants natural to such localities are likely to grow but slowly, if at all in the lagoon. It is hoped that this difficulty may be, in some degree, provided against by making many shallow bays and pools along the shores, especially of the west side of the island. But the main planting must everywhere be done with thoroughly hardy and tough aquatic plants, common further north.

Letters on the preliminary planting plan of the

lagoon are intended to indicate a little more fully and definitely the character of planting desired in different localities, by reference to corresponding letters in the schedule below. But while the plants named are to predominate it is not intended to closely restrict the planting to them at any point. Certain plants, such as bulrushes, sedges and ferns, are intended to be placed wherever they are likely to flourish among others, in order to give increased density, intricacy and naturalness of effect, and to slightly screen, without hiding flowers otherwise likely to be too obtrusive. The various so-called pond lilies are also to be scattered somewhat freely along the edges of all waterside plantations, and on the lower parts of slopes.

Except against the terraces, as to be later explained, and at a few other points where they would rise too high for the streets desired, cat-tails (typha) are to predominate in the planting, large patches of them being formed; these are to be broken and diversified chiefly with flags (acorus) and bulrushes (juncus) and irises, and among them there should be numerous little patches and recesses, if necessary, on slightly raised ground, where blooming plants can be seen, such as the smaller irises, *Lobelia cardinalis*, *Ranunculus repens* and *Viola cucullata*. Patches, also, of ferns suitable to the situation. Farther from the water, and to be seen through openings of the typhas and acorus, taller flowering plants may be seen, such as *Baccharis halimifolia* and *Nicotiana glauca*.

For young trees to be planted with a view to fill out vacancies in the edge of the woods on the island, it is important to use such as are most sure to be in rapid growth, with abundant and vigorous leafage, in ground well above water in 1893. It has been ascertained that for this purpose trees of the following sorts can be obtained in western nurseries, in fair condition, from 10 to 15 feet high: white maple, *Catalpa speciosa*, box elder (negundo), Russian mulberry, American linden. To these, certain poplars and willows of natural growth can probably be added. For crowding under and facing the stems of these, good plants are to be had of the European alder, larch, American mountain ash. For the lower parts of the mass, cornels and most of the common nursery shrubs can be had, 3 to 4 feet high, and various willows can be grown. *Amelia spinosa* may be

used freely; also, pawlonia cut short to force large leaves near the ground and water. Cat-tails, flags, etc., can be scattered at intervals in the water outside of these and occasionally still further out, water-lilies, etc.

Looking at the map, it will be seen that for long distances the shore of the lagoon is intended to be near, and with a general trend parallel to, the straight walls sustaining terraces at the base of several of the exposition buildings. The strip of ground between these retaining walls and the water is to be commonly from 25 to 50 feet broad and to have a sloping face towards the water.

Nearly all of the lagoon margin of this character is expected to be submerged for a few hours at uncertain intervals, but ordinarily the upper part will be dry and the lower part, or waterside, water-soaked. Plants upon the upper part will be nearer to the greater body of visitors, and will be more closely observed than any others on the lagoon shores. They will be looked down upon from the terrace, the roots of the nearest being 7 to 9 feet; of the furthest 9 to 13 feet, below the eye. Seen from boats, or from the opposite shore, the plants should appear a low, thick, or bank of verdure, more or less broken, irregular and tufty in its profile, the upper part of the wall and the parapet or balustrade of the terrace being generally seen rising a little above it. To this end low plants can be grown on this strip that, during the summer of 1893, will come to have a height of more than 3 or 4 feet.

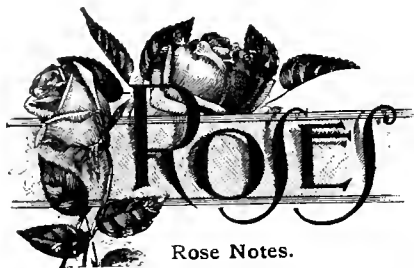
More flowers can be shown with advantage on the upper part of the strip than anywhere else on the lagoon shore, precaution being taken, where they would otherwise be too showy, to slightly veil them from the opposite shore by a few bulrushes, eulalia or other thin plants, to grow on the waterside of them. With a little care in this respect, irises, especially versicolor, prismatic and Germanica, set from 2 to 15 feet from the wall will be exactly suitable to the situation. Care must be taken to avoid anything like a continuous bed of such flowering plants, or any monotony of arrangement, by constantly grouping them with funkias, ferns and other plants. Large bodies of low and spreading plants of *Clethra alnifolia* and *Cephalanthus occidentalis* will be desirable all along the strip, these being valued because of the fragrance of their bloom. Besides these, there are to be set profusely, adjoining the wall, on what



will be the driest part of the strip, other plants from which pleasing scents will rise to visitors on the terrace. *Viola cucullata*, *Heimericallis flava*, *Lonicera brachypoda*, *Rosa rubiginosa*, *lucida*, *Carolina* and *multiflora* will, for example, serve the purpose.

To make sure that a dense growth of foliage will be everywhere interposed at some point between the wall and the water, straggling thickets may be formed of young plants of varied willows, so shortened in, or pinned down, that they will seldom rise more than two or three feet from the ground. Among and around these should be flags, acorus, calamus and bulrushes (*juncus*) various sedges (*carex*) and other waterside grass and reed-like plants. Small channels may be made to let the water flow into these wherever desirable, such channels being easily made inconspicuous.

The same class of plants, together with sagittarias and a variety of broad-leaved water plants such as *saxifraga*, *callas*, *symplocarpus*, *nuphars* and *nymphaeas* should be planted above and below the water's side.



Rose Notes.

The time has now arrived when we must to a certain extent make our plans for another season, especially in reference to propagating, and if we have been careful to keep a correct record of all flowers cut and sold, and can at once ascertain the relative profitableness of every variety grown, the work of deciding just what, and how many of each variety to grow will be made very much easier and the conclusions arrived at will in all probability prove much more satisfactory. It is surprising, however, how few people comparatively keep any record; they imagine the advantage if there is any does not pay for the trouble, so go on in the dark year after year, growing pretty much the same thing. This is one of the many trifling things, the doing of which determines and marks the progressive and successful man. The different varieties of roses generally have their own favorite soil or location, and it rarely happens that a soil, however good is suitable for all, so it is our business to find out just what we can grow the best and will pay us the best; and make of that our specialty, taking always into account of course our market, and ability to dispose of the product in increased quantities. If it is not customary to grow young plants for sale simply raise enough stock for own use. I am satisfied that this is by far the best and most satisfactory method. A plant and cut flower business seldom if ever go together without making trouble; one or the other must suffer. If the plant business booms, the plants which furnish the cuttings almost invariably suffer by losing too much wood and foliage, and a few years of this kind of work results in deteriorated stock, and stagnation. Far better I say to do either one or the other, and do it well.

Supposing we intend to grow only enough stock for our own use we should first determine what we will grow, and then put in about twice as many cuttings as plants required, to allow for losses and weaklings; we should always have enough, so that we are not compelled to pot or plant any cutting or plant showing weakness, disease or lack of vigor. In taking cuttings the greatest care is necessary, I feel sure that a great deal of the disease and other troubles are directly

traceable to poor unhealthy cuttings. If the foliage is large and vigorous and of good color, it will usually be in healthy condition, but anything of a pale sickly hue can not reasonably be expected to produce a sound health plant. The finest of roses both plants and bloom have been the result of blind wood cuttings, but I must confess I have a fondness for flowering wood for that purpose, it roots nicely as a rule, is stronger, more liable to produce flowering shoots, and is more satisfactory generally. My plan has been to go through the houses once a week and take a cutting wherever sufficient stem was left after cutting the flower, taking care of course to leave enough eyes to break from for another growth. This is rather tedious work, but I think the results warrant the extra time spent.

As to the best exposure for a cutting bench, the best kind of house, etc., opinion differ, and I have noticed that given all the care necessary, and a decent house, rose cuttings will root almost anywhere; my ideal house, however where the best results can be secured with a minimum amount of care, is a lean-to facing the north or west, six feet wide, with a good walk on the side next the partition wall, and one bench on the other side, the pipes boxed in, enabling us to control the temperature of the sand as well as that of the house. In a house of this kind all that is required after the cuttings are put in the sand is one or two good waterings and a sprinkle morning and evening, whereas in a sunny house they must be sprinkled several times a day or else shaded whenever the sun shines. However if we have had usual good success by following some other plan we shall do well to continue the same, success is what we are all seeking after. To prevent fungus attacking the cuttings the bottom and sides of the bench should be thoroughly whitewashed before the sand is taken in, and we must be certain that our sand is clean, fresh and free from any deleterious properties, good sharp not too fine bank sand is perhaps more reliable than river sand. At the risk of being considered mossy I recommend always the old method of putting in rose cuttings, one at a time with a stick is quick enough; the sticking in process where a trowel is used is liable to bruise the bark, and is not very much quicker anyway. The first watering should be a thorough sloaking, which will settle the sand and make the cuttings firm. Some propagators have told me they never sprinkled rose cuttings at all, but I have always had the best success when I have used the rose freely and maintained a very moist atmosphere. A good temperature for the propagating house is 56° at night, allowing a few degrees more during the day with a sand temperature of 65° to 70°. If for any reason they should lose some of their foliage it should be removed from the sand at once or it will cause trouble.

I have been experimenting this season with roses grafted on the Manetti stock, and so far am more than satisfied with the results, it was intimated by some who thought they knew, that as soon as winter set in the stock would want to rest, but they have not shown this tendency. The root action is great, and corresponds with the splendid growth. A house of 2,500 Bridesmaid grafted in March and planted out June 1 from 3-inch pots has produced up to January 1, 75,000 flowers, an average of 30 per plant and all of more than average quality with extra long stems. I hope to say something later about grafted versus own root roses. ROBT. SIMPSON.



Carnation Notes.

"Carnations growing very thriftily, no disease, but showing a tendency to be weak in stem and to burst the calyx. Is it owing to long cloudy weather?" asks "E." This is an inquiry which I will make the theme of my notes this week.

The cloudy weather for the past five or six weeks has been very unfavorable to carnations, diminishing quantity and quality. Weak stems and bursting calyces are to a great extent the results of cloudy weather, and are often increased by the inclination to push on quantity by a little higher temperature. This practice is entirely at the expense of quality, and the result is generally to cause a change from bad to worse. The weak stems and calyx are not alone the only detriment, the whole plant will be affected in the same way, becoming soft and tender and more susceptible to disease. The first sunburst, instead of being beneficial, will cause the plant to flag and blooms to shrivel and burn. At such times the temperature should run very little over 60° in day time. With moderate heat and ventilators open a buoyant dry air can be maintained, and the softening of stem and foliage to a great extent arrested. A close sultry air for a length of time may prove very disastrous.

A low temperature or a sudden fall below the normal may cause bursting calyces. For instance, on a cold sunny day, when the temperature under glass may run up to 75° and over and by sundown may suddenly fall below 50° and 45°, though by neglect to put heat on in time to allow the temperature a gradual fall to the normal night temperature. Or very severe cold stormy nights, when the heating capacity may not be sufficient, may have the same effect. Such checks will retard the pushing out of the petals from the calyx, and may cause a weak calyx to burst. An unfavorable change in temperature is sooner felt in the development of the blooms than in any other part of the plant, for the plant may keep on in its growth, while the blooms will be stopped in a temperature below 50°, or will only develop very slowly, and bursting calyces may appear very plentiful. These are disturbances caused by improper temperature, lack of light and sunshine.

Now there are other causes producing the same effect. Wrong modes of cultivation, deficiency of nourishment and a scarcity of those constituents in the soil necessary to build up a strong stem and calyx. Much has been said and written on the modes of cultivation, wrong and right. Experience is the best teacher. Deficiency in nourishment, an impoverished condition can easily be detected, and by giving proper food is very easily repaired. But what is proper food in this case, and what are the parts lacking, but so needful? This is a question not so easily answered. My knowledge of soils and manures is not so complete as to make me venture into explanatory details. I can only say that wood ashes gave me the best results. The most important parts, and that vegetable ashes contain in largest quantities, is potash



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and lime. Many soils are deficient in these elements. This can best be told when moss appears on the surface, a deficiency of lime especially is manifest; and lime with potash and other ingredients is very efficiently supplied by a top dressing of wood ashes. I use two parts of soil to one part of pure ashes mixed up well and applied to the thickness of one-half inch. Where mulching with manure is practiced ashes can be mixed with the mulch; it will only help to hasten the action of the manure. At our place we use ashes as described above and apply manures in liquid form.

To give a better understanding of the importance of vegetable ashes I will cite part of what Mr. George Nicholson in his "Dictionary of Gardening" says. "The ashes of vegetables consist of such elements as are always required for their perfect maturity, and it is evident they must furnish one of the best saline manures which can be supplied for their growth; they contain in fact every element, and generally in the right proportions, for insuring a full and rapid growth." My experiments are of recent date and are indeed very satisfactory. As with many other manures, one has to be careful not to overdo the thing. Too much may prove just as hurtful as a proper portion is beneficial. And then again one soil may not be deficient in these elements or not to such a large extent, and what may constitute a proper dose for one may prove an overdose for another. In all these things the watchword is "try." FRED DORNER.

#### Carnations on Long Island.

In carnations, as with other things, it is true that "many are called, but few chosen." Notwithstanding the many varieties of more or less prominence and pretensions that have been put on the market within the past few years McGowan and Scott hold a position of leadership that has proved so far invincible. Of these two varieties there are being grown the present season probably as many as of all others combined. Allen, Daillidouze, Suydam, Bell, Besold, Darlington and other growers in this locality are all in fine shape with both of these varieties. A tour through the houses shows convincingly the great advantage of abundant light; especially is this true of McGowan, the stems of which in modern light houses stand up like willows, and as different as possible from the drooping half prostrate habit observed where the light is deficient. Of the many white sorts of recent introduction Storm King and Alaska are the only ones that appear to have any show to supplant the McGowan. Of Storm King Chas. H. Allen says that it will sell when McGowan will not, and he regrets that he did not plant an entire house of it last fall. Eugene Daillidouze is less enthusiastic. He admits its high qualities as an exhibition variety, but finds that it lacks the substance required in a first class commercial sort. With C. W. Ward it is a prime favorite. One thing is generally admitted—to have good results with Storm King one must start off with good strong plants. Alaska has done rather poorly with Mr. Ward. He attributes his failure to heavy soil rather than to any lack in the carnation itself, and proposes to give it another trial next year with lighter soil. With Mr. Allen and several others who have tried it it is much more perfect in form than McGowan. Of Bride of Erlescourt, which was introduced with so much trumpeting it is next to impossible

to find a specimen, and no one has a good word to say for her.

The most formidable rival in pink which the Scott has yet faced is Bridesmaid. Unapproachable in its glowing color, with every good quality of form, substance, habit and stem, here is a variety that unless all signs fail has a great future. The only point yet unsettled is its productiveness. It may prove to be too shy a bloomer. Nicholson, which is said to be well liked about Boston, is ragged and unsatisfactory here excepting during a short period in spring. As a winter bloomer it will not go. Albertini makes little headway, and Peachblow, which has many good points, has in some places shown an unfortunate susceptibility to bacterial disease. Rose Queen finds both friends and enemies. With Mr. Besold at Mineola it bursts and presents a sorry appearance; with C. W. Ward it makes a great growth, but few flowers, while on the other hand Dailedouze Bros. unhesitatingly endorse it as the best carnation sent out last year. In deep pinks Dailedouze Bros. still cling to Tidal Wave and propose to do so until they "find something better." Thos. Cartledge is seen in pretty good shape at F. Darlington's. Between a lot propagated in January and a lot struck in April there is a vast difference, the advantage being on the side of the April struck cuttings. In light pinks an equal for Daybreak will not be easily found. It is unfortunate that this popular variety shows decided indications of deterioration. Mr. Darlington has a big crop of good sized flowers, but with most of the growers it is running behind. Mr. Bell had the finest house of Daybreak in this locality last year, but he cannot equal it this season.

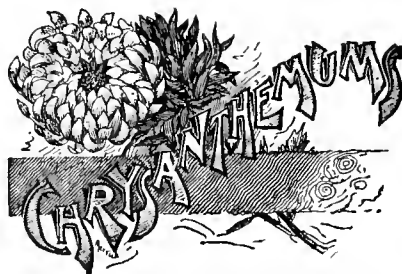
Armazinda and Minnie Cook will have trouble to displace Helen Keller in the variegated class, when the latter grows well. Minnie Cook is generally liked by those who have given it a trial; Armazinda has a splendid constitution, but lacks character in the variegation. Meteor is proving valuable as a brilliant midwinter crimson, but at other seasons is accused of being rather short lived as a cut flower.

C. W. Ward's establishment is a most interesting place to visit, as here are found all of Dorner's latest seedlings, as well as a host of Mr. Ward's own production, some of which are now in their second year and give promise of future popularity. To the latter the names of many local celebrities have been given. There are Jas. Dean, soft pink resembling Scott; Eugene Dailedouze, lively pink; Pat O'Mara, still livelier pink (well named); John Young, a well formed white like Storm King; Thos. Young, Jr., a larger but less regular white, and John I. Raynor, dark pink, and as tall a grower as its namesake. Scallen, Thorley, Stumpp and other prominent members of the fraternity are also on the list.

Eldorado and Goldfinch, the two yellows, are bearing well here. Eldorado's worst fault is its predilection for rust. Mr. Ward finds that it does best on solid beds. Goldfinch has given him twice as many flowers on plants grown inside all summer as on those grown in the usual way.

C. Besold has some promising seedlings, and Dailedouze Bros. have their eye on one in their own collection in which they place great hopes. C. H. Allen has nothing to show in the seedling line, but on the benches are Scott's in wonderful vigor, and underneath the benches is as fine a crop of mushrooms as can be found any-

where, and Charlie is plainly of the opinion that as money makers mushrooms will outdistance carnation seedlings seven days in the week.



#### New Chrysanthemum "Wm. Simpson."

When I ventured to write to the AMERICAN FLORIST some few weeks ago about the new chrysanthemum heading these notes I did so for the sole purpose of endeavoring to give it a clear title to that name, which Mr. Joseph Heacock has thought proper to bestow upon his novelty. I had not the slightest idea that your readers would be called upon to judge as to the rightful ownership of a variety that has had the honor of receiving more names than any other variety to my knowledge in existence.

Here is a letter which Mr. T. H. Spaulding sent to the AMERICAN FLORIST:

JERSEY CITY, N. J., Dec. 17, 1895.  
The American Florist Co., Chicago, Ill.  
(Chrysanthemum "William Simpson.")

GENTLEMEN:—I note in your recent issue an article regarding the above variety and an explanation made by Mr. Lonsdale, in which he claims the one issued by Mr. May should be called "J. H. Cliffe." I think Mr. Lonsdale has forgotten additional information placed in his hands by me, a year or so since, and I therefore desire to state in detail the history of this variety. Some years ago an unnamed seedling, numbered 6, was shown by Mr. Craig at Philadelphia and awarded a certificate; while at the show I purchased this of Mr. Craig, he promising not to dispose of any stock until the year after I had distributed it. In the spring of the next year in sending some stock to Mr. Cliffe he included a plant labeled "Spaulding's seedling, 6." The following fall I showed this variety at Madison Square Garden and received for it a certificate, under the name of "A. Ladenburg." Mr. Cliffe, without inquiring either of Mr. Craig or myself, grew on this seedling and distributed it as a novelty the following year, naming it "J. H. Cliffe." The following year Messrs. May and Craig again combined on the variety, and after showing it as "Wm. Simpson" attempted to distribute it; when they were apprised of the facts of its having been disseminated as "J. H. Cliffe," they did not withdraw the name of the plant, simply putting a foot note to their description in the catalogue.

The above comments will show how easy it is for one to be deceived by the duplication of a variety.

THOS. H. SPAULDING.

The editor of the AMERICAN FLORIST kindly forwarded Mr. Spaulding's letter to me, asking if I had any knowledge of the statements as therein contained. Before communicating to the FLORIST I wrote Mr. Spaulding in effect under date December 21, 1895, as follows:

DEAR SIR:—The editor of the AMERICAN FLORIST informs me that you claim to have placed information in my hands in relation to the true history of chrysanthemum "J. H. Cliffe" to the effect that it was your property, that Mr. David Cliffe had secured it from Mr. Robert Craig, labeled "Spaulding's seedling, 6," and that you had exhibited it at New York under the name of "A. Ladenburg." Please send me a copy of the letter in reference to it as I have neither record nor recollection of the matter. There is a possibility, I know, that you did write me and I may have mislaid the letter. I have a number of your letters, etc. on file respecting the registering of names of seedling chrysanthemums, but in none of them, in any way, is reference made to "J. H. Cliffe," "Spaulding's seedling, 6," "A. Ladenburg" or "Wm. Simpson," hence my desire to be put straight upon the records, so if you will be good enough to help me you will oblige.

Yours truly,

EDWIN LONSDALE.

Up to this time, ten days or over, after my request was written to Mr. Spaulding no reply has been received from him. I

have seen the name of "A. Ladenburg" in lists of chrysanthemums, but never remember having seen any flowers labeled with that name; nor have I succeeded in finding any grower of chrysanthemums who can call to mind that he had seen that name upon a variety. In catalogues which I have at hand "A. Ladenburg" appears to have been sent out by Mr. Spaulding as a novelty in the spring of 1892, which was described as follows: "A full and extremely double Japanese variety of immense size, having been grown 10 inches across, style and shape of Mrs. Irving Clark except in color, which is a clear delicate rose pink, magnificent for exhibition specimens. Awarded certificate at Philadelphia and Madison Square Garden."

In 1893 Mr. Spaulding varied the description to read "having been grown 12 inches." In same catalogue we find in large type, "A grand new pink, J. H. Cliffe. Magnificent rich pink, deepening to the center; flowers solidly double; 9 to 10 inches in diameter; strong, stiff stems, habit perfect. Awarded first prize at Philadelphia 1892 for best pink seedling." In his trade list for 1894 he has "Emily Ladenburg" and "J. H. Cliffe," but not "A. Ladenburg" or "Wm. Simpson." What seems to me unaccountable is that Mr. Spaulding did not state the true facts of the case in the latest catalogue of his that I have at hand. If he placed information in my hands a year or two since, as he claims he did, clearing up all this confusion, why did he not do so to his customers through his catalogue? They surely were entitled to the benefit of all this knowledge.

Mr. Craig states that Mr. Spaulding never communicated with him upon this subject as to his "A. Ladenburg" being identical with "Wm. Simpson" or "J. H. Cliffe." Mr. Cliffe also makes the same statement. Then why this sudden change?

In Mr. Spaulding's letter it will be noticed that there is a total absence of dates, nothing more than a vague "a year or two since," "Some years ago," "Until the year after I had distributed it," "In the spring of the next year," "The following fall," "The following year," and so forth, which is not sufficiently explicit to be understood.

Mr. Robert Craig says that Mr. Spaulding bought from him in November, 1891, seven seedlings at the rate of \$25 each. Mr. Craig reserving the right to grow all or any of these seedlings for his own use.

July 11, 1892, Mr. Cliffe bought from Mr. Craig 200 chrysanthemum plants at \$5 per hundred, among which were five plants labeled "Spaulding's seedling number 6." In November, 1892, at Philadelphia, Mr. Cliffe exhibited 12 blooms of a variety relabeled "Magnet." This was the variety which was afterwards named "J. H. Cliffe," for Mr. Spaulding's catalogue for 1893 announces that it was awarded "first prize at Philadelphia in 1892 for best pink seedling."

"A. Ladenburg" may or may not have been dropped off the lists, but certain it is Mr. Heacock has determined to retain the name of "Wm. Simpson" for his novelty to be disseminated the spring of 1896.

Wishing everybody a prosperous New Year, I am Yours truly,

EDWIN LONSDALE.

January 1, 1896.

P. S. Since writing the above I have been informed that Mr. May offered Wm. Simpson (the first) for sale spring of 1893, same year J. H. Cliffe was disseminated, without of course knowing that they were one and the same kind.

E. L.





THE WORLD'S FAIR WOODED ISLAND. SEPTEMBER, 1895

## Decorations at Washington.

The first state dinner of the season given by the President and Mrs. Cleveland January 2 in honor of the Cabinet was a scene of tropical splendor. The guests were welcomed in the East Room, which was transformed into a tropical picture with its profusion of towering palms and choice flowers, and myriads of sparkling electric lights. At either end of the room the four mirror rests were banked with ferns, the two at the north end being of *Adiantum cuneatum*, while those at the south were of *Nephrolepis davallioides furcans*. Resting on the top of the mirror frames near the ceiling were groups of small palms, crotons, pandanus and ferns. The gold and white frames of the mirrors were gracefully draped with smilax.

The large east window was banked from floor to ceiling with a mass of kentias, scaforthias and arecas, studded with tiny electric lights, bordered at base with small palms, pandanus, crotons, ferns and *Curmeria* (*Homalomena*) *Wallisii*. The massive mirror rests on either side of this window were banked with mixed flowers, roses, hyacinths, carnations and valley, sprayed with ferns and *Cocos Weddelliana* studded with bracts of poinsettias. At top of mirror, resting on the frame, was a bank of small palms, crotons, marantas and ferns. At top of mirror under the frames was a large mass of dark red roses fastened with broad scarlet satin ribbon, with long streamers falling to the plants at base. The frame was delicately twined with smilax. The two mirror rests on the west side of the room were banked with arecas, crotons, pandanus, marantas, *Curmeria Wallisii* and ferns. Over each of these mirrors was a bank of small palms, marantas and ferns, resting on these mirrors just beneath the frame was a large bunch of Perle roses suspended by a broad scarlet satin ribbon, with streamers losing themselves among the foliage at the base. The gold and white frames were festooned with smilax.

The four white and gold pillars were entwined with smilax, with clusters of holly here and there studded with electric lights. On each pillar a shield of holly leaves and berries was very effective. The chandeliers were festooned with smilax with ropes of same looped from the chandeliers to the four electric moons around the chandeliers. The entrance to the main corridor was also festooned with smilax and over the door was a banking of foliage plants.

The state dining room was unusually handsome in its exquisite floral decorations. The table was in the shape of a Roman I and was decorated entirely with cypripediums. Down the center were placed three large ovals of cypripediums, between which were plateaus filled with adiantum. At each end of the table were three fancy circular baskets filled with asparagus studded with cypripediums. The gold candelabras were shaded with yellow. Two similar ones were on either side of the centerpiece near the oblong designs, and at the corners where the table branches were four tall candelabras. The mantel was banked with adiantum studded with cypripediums. The gold framed mirrors were partially concealed with a portiere drapery of smilax. The two chandeliers were festooned with smilax. Strings of asparagus were looped from the chandeliers connecting the two large mirrors at either end of the room, the same effect was carried out on either side connecting the two



large sideboards. The windows on the south side of the room were banked with palms, crotons, marantas and ferns.

In the Blue Room the mantel was banked with plants of President Carnot begonia in flower. This variety which is of hybrid origin is well adapted to such work, as the hanging clusters of bloom are larger than those of any other in the section to which it belongs. The female flowers are the most attractive, having very large three winged seed vessels, which are the same color as the petals, a bright red. In each of the south windows was a fine specimen of *Kentia Forsteriana* banked at base with small palms, pandanus, marantas and ferns studded with the bright poinsettia.

The Green Room was also handsomely decorated, the mantels being banked with begonias, hyacinths and narcissus in pots, chandeliers festooned with smilax. The windows were filled with palms and ornamental foliage plants, among which were several azaleas in bloom.

The Red Room was unusually attractive, four new electric chandeliers having been placed in it, one near each corner of the ceiling and one in the center; they were all twined with smilax. The mantel was banked with adiantum, having a few pots of hyacinths, narcissus and begonias placed among them. The window decorations were similar to the other rooms.

REYNOLDS.

#### Begonia Rex Rotting Off.

A subscriber from Fort Wayne says he has a collection of the above, but is troubled with the leaves rotting off when they are one or two inches long. They are in a partly shaded house. He says they are not over-watered, and wants to know what atmosphere they should be grown in, and if they will do in a Wardian case.

When the *Begonia Rex* was first introduced to Europe some 45 years ago a great fuss was made of it, and the price was two guineas for a little plant with two leaves. For many years now it has been a common greenhouse plant, and sold at about the price of a geranium. I don't know what this rotting of the leaf can be; it sounds as if the plants were troubled with an escaping gas of some sort. They should be kept moderately moist at all times. They will grow fast in high temperature, say 70° at night, but for a commercial man 60° at night will do them finely. They like best a rather damp atmosphere without any moisture on their leaves. They don't want a heavy soil, half leaf mould with some sand added and half loam will suit them well. They will grow all right in a Wardian case, but no such coddling up should be needed.

W. S.

#### Agapanthus Umbellatus.

From a subscriber "J. T. W." comes the following: "I have an agapanthus seven years old. I have it now in an 8-inch pot. There are two roots or tubers and it has leaves some 20 inches long. It is perfectly healthy, but has never bloomed. Can you suggest any way to cause it to bloom?" The agapanthus is an herbaceous but not deciduous plant, and in its native habitat (South Africa) subject to periods of rest, not by freezing up but by absence of moisture. The best place to winter them is in a very cool house or shed. If it is near the freezing point no harm will be done, and very little water is needed from November to April. Water once a month will do if kept cool. In the

summer time when growing they want an abundance of water, and they thrive better out of doors than in a greenhouse. When growing in May or June give liquid manure or mulch the roots with manure, and you ought to get flowers. Keeping the plant about half growing all winter has most likely been the cause of your failure.

W. S.

#### Hydrangeas and Spiræa.

The following comes from Seneca Falls, N. Y.: "When should hydrangeas and spiræas be brought into heat so as to be had in bloom for Easter?" I am not responsible for the above English, but it makes little difference to the practical side of the question. Spiræas are the easiest of all plants to force; with plenty of water, sufficient heat and absence of tobacco smoke no mistake can be made with them. Bring them in at once; from the 10th to 15th of January is a good time. Their time of flowering will depend on the amount of heat you give them. Start them in a house that you keep 50° at night, and increase the temperature if you see they are likely to be late for Easter. It is well to have them in full flower at selling time, and in a cool house they can be kept two weeks after being fully out.

Easter Sunday is this year on April 5 (Venus in Aquarius). This is rather an early Easter, and many things will have to be hustled along. Hydrangeas should be started at once. Choose those that have best ripened their last summer's growth, give them light, plenty of water, and plenty of syringing. Don't start in too high a temperature. When they have developed the young growth they will submit to any temperature that is necessary to bring them in by the 5th of April.

W. S.

#### New York.

The cold weather for New Years came in very opportunely, shortening up as it did the production of flowers sufficiently to prevent the slump in prices which has been the almost invariable experience at this season for a number of years. Yet, even under these favoring conditions, carnations did not move fast enough to keep up with the receipts; and on all hands there has been a tendency to accumulation which makes prospects for future prices somewhat dubious. The quantity of Scotts and McGowan's that are maturing for the midwinter crop, not to mention other kinds that are grown in more or less abundance, is enormous, and only those that stand in the first grades can be relied upon to realize the prices of former years. Growers of special fancy stock and novelties can depend upon sure sales at extra fancy figures, but the cost of production of this grade of stock is so high and the blooms per plant so few that the higher prices do not by any means represent a corresponding profit. Of this class are the splendid flowers coming from C. W. Ward's establishment, which are being handled by John Young. Hyacinths, lilies and bulbous stock in general are in small demand so far this season, and it does not take much of it to overload the market. Hyacinths are everywhere overstocked. But with these exceptions the returns on cut flowers show up better than usual for the first week in January, and if present prices can be maintained until the busy season gets under way, which will be about January 10 to 15, there is a good prospect for a few weeks at least of steady values.

The New York Gardeners' Society met

at Mott Memorial Hall, 64 Madison avenue, on Saturday evening, January 4. Mr. Wm. Falconer presented the draft of constitution and by-laws as prepared by the committee appointed for that purpose, and same was adopted. Election of officers for ensuing year was then proceeded with, and the following gentlemen were duly elected: President, Peter McDonald, Summit, N. J.; vice-president, John Fursey, Riverdale, N. Y.; treasurer, Wm. Anderson, Brooklyn; secretary, J. I. Donlan, New York. The annual dues were fixed at \$2, with \$1 added to first year's dues as initiation fee. Meetings will be held on the second Saturday of each month. There was an interesting display of flowers and plants on the table, contributed by Wm. Falconer, among which were *Helleborus niger* and *Chimonanthus fragrans*.

August Rolker & Sons and other supply dealers who have been manufacturing natural preserved palm leaves have been notified that M. A. Lichtenberger holds a caveat for patent dated June 13, 1895, and has organized the Natural Prepared Plant Co. under the laws of the state of New York, and are advised by his attorney that the use of the process by others than the company must cease. The Messrs. Rolker contend that the process which they are using is neither patented nor patentable, that they have been handling the article for over four years and they propose to ignore Lichtenberger's claims and continue to manufacture as heretofore.

John A. Scollay has just finished heating a large palm house for Jas. Weir Jr. & Sons with the new "Invincible" boiler, and has the contract for a similar job in two greenhouses for Jas. Daly and three rose houses for David Shannon at Madison. Several of the large plant growers' vans have been fitted up with his wagon heating apparatus. The arrangement consists of a charcoal fire box under the body of the wagon with a coil of pipe for hot water which keeps the temperature inside the wagon at about 50°.

#### Boston.

The Gardeners' and Florists' Club started the new year with an unusually full and enthusiastic meeting on the evening of Tuesday, January 7. President Cotter was duly installed and made a neat little speech accordingly. There was no paper on the program for discussion and the evening was devoted to committee reports and an informal consideration of the club's financial and social standing and what policy should be followed to secure the greatest efficiency and prosperity in the coming year.

There were present Messrs. A. Rennie, F. Macrae and N. D. Peirce, Jr., of Providence, R. I., representing the gentlemen who are interested in the formation of a Gardeners' and Florists' Club in that city, the object of their visit being to get some points for their guidance in organizing under the best auspices the proposed new club. These men were cordially welcomed and each one contributed a few remarks. Plenty of pertinent advice was forthcoming from the local sages. President Cotter said that "a florists' club without money is of no account." "Don't let your treasurer out of your sight unless you have him under big bonds," said treasurer Ed. Hatch. Warren Ewell advised them not to leave out the gardeners, and Mr. Westwood suggested that they endeavor to catch Mr. T. McCarthy, superintendent of Swan Point Cemetery, who is a whole club in himself.

The annual report on delinquent members was presented but not read, a motion to grant one month further grace being carried. Amendments to the constitution and by-laws raising the amount of initiation fee and annual dues, also a number of proposals for honorary membership were offered by W. J. Stewart and will come up for action at the February meeting. Warren Ewell reported for the dinner committee that this pleasant event would come off on the evening of January 30 at the Thorndike Hotel. Votes of thanks to the retiring officers were adopted and three new members admitted. Messrs. Norton, Dawson, Mathieson, Farquhar, Simmons and others participated in the general discussion and the tone of the meeting was hopeful, giving a stimulus to the new officers that cannot fail to bear good fruit during the entire year. It was announced that Mr. Robert Farquhar would be the essayist at the next meeting.

The first meeting of the year of the Mass. Horticultural Society was held on Saturday, January 4. President-elect Hon. Francis H. Appleton occupied the chair and delivered the annual address. He urged in the most forcible manner the need of the society for larger quarters and called attention to the disadvantages of remaining longer in the present ill-adapted and long outgrown location. The need of better accommodations for the society's exhibitions and more facilities for the use of the library were especially emphasized. The executive committee reported the appropriation of \$8,050 for prizes for the year 1896. James Comley made a very pretty exhibition of flowers in variety, and E. Sheppard & Son showed a dish of *Dendrobium nobile* in several fine forms.

Cut flower business is very small in volume at present. If there was much going on prices would be high, as there is but little good stock coming in. This applies particularly to roses. Carnations seem to be in full supply and bulbous stock in general is too plenty.

Visitors in town: Mr. and Mrs. Harry Bayersdorfer and H. C. Gieger of Philadelphia.

#### Buffalo.

The blizzard that came down over the country landed in Buffalo a little ahead of time, but with one exception all were prepared for it. There is a decided lull in business this week, and that must be expected, for the rate we went at for two weeks was conducive to giddiness. Everybody seems satisfied with the holiday trade, with all the alleged hard times, and with wars and rumors of wars, including Venezuela, Cuba, Ashantee, Abyssinia, the Transvaal, etc., the human creature will enjoy himself or herself, as the case may be.

We have had in our midst this week Mr. Simmons of Geneva, the author of nearly all the good carnations that were ever raised for the commercial trade; Mr. S. is a good fellow, but he will keep talking Rose Queen, it matters not what the subject is; it may be our foreign policy, the single tax question, evolution or metaphysics—it is sure to end up with that pink carnation. If this pretty pink carnation proves to be as good as the other varieties which have emanated from the quiet little hamlet in Ohio it will need very little advertising.

Mr. Elbers, 2224 Main street, who rents the greenhouses at the old Bailey place here, owned by a Sisterhood of Holy Saints, met with a misfortune last Saturday morning, according to our daily papers. Mr. Elbers fixed up his fires at

10:30 Friday night and did not show up till Saturday morning at 7:30, rather a long interval, considering the weather. When he arrived he found the door of one of his greenhouses wide open. As the mercury was dodging round the zero mark you can guess there was some damage done. The paper said "hundreds of blooms of roses, chrysanthemums and carnations were ruined." What a collection! I don't suppose Mr. Elbers has seen a chrysanthemum in three weeks, but there is no accounting for frost. We all know the wonderful pictures that it draws on glass, and most likely the reporter was looking at these when he scrawled down his notes. The door was all right, so Mr. Elbers says, and locked, but a tramp, in other words, a man who is voluntarily idle, and who was accomplished enough to carry a key of Mr. Elbers' greenhouse, roosted there for the night. You would think this gentleman, after snoozing all night in the midst of the aroma of jasmynes, stephanotis and many others, not to mention chrysanthemums, would have the good taste, even if gratitude were lacking, to close the door behind him when he evacuated the premises, but it seems he forgot that important duty, and hence the trouble. Mr. Elbers is reported to be a loser of \$300 worth of stock. The tramp up to date has never called to apologize. W. S.

#### San Francisco.

Christmas trade was far ahead of the previous year. On account of the unusually cold weather for a couple of weeks preceding Christmas there was quite a scarcity of flowers. For instance, chrysanthemums were very scarce, especially white. As for violets there was not one-half enough for the demand. Marie Louise and Czars went up to \$2 per dozen, and Californias, as usual, were on top at \$3 per dozen. Roses were in fair supply. Beauties brought \$2 and Tes'out 75 cents per dozen. Brides and Bridesmaid sold for 50 cents. There was a great scarcity of *Harrisii* lilies, in fact there were none to be had to speak of. Romans sold very well, as did *narcissus*. Quite a lot of *Farleyense* ferns were sold also. Carnations had a big run. Portias sold at \$3 per 100, and were scarce at that. Mr. Lynch brought in some fine *Wm. Scott* which sold for 50c. per dozen. Daybreak was in fair supply. This variety does not seem to sell at all when there is *Scott* to be had.

In plants quite a quantity of kentias were sold in the smaller sizes. This variety of palm is rapidly becoming very popular. Taken as a whole it is estimated that trade was fully 25% above that of last year.

The trade was treated to a surprise this week in the form of the failure of F. K. Weiss & Co. of Eddy street. An attachment was placed on them by Chas. Hasselbacher, the rose grower. This firm has been in the business now for a long time, and was generally thought to be very reliable. The principal creditors are Chas. Hasselbacher, M. Lynch and several small growers.

The San Mateo County Floral Society is out with an announcement that it will hold its first rose show in May. As the first effort of this society last November was so successful it is to be hoped that this one also will be a success.

The regular meeting of the California State Floral Society took place last month in the Y. M. C. A. Building. The attendance was very large on account of the nomination of officers for the ensuing

year. The same officers with a few exceptions will hold office this year as last.

Mr. F. A. Miller had on exhibition some finely grown plants of Chinese primrose. A prize was awarded for the best grown plant. The report of the committee appointed to secure a more convenient place for meeting was heard. At the January meeting prizes will be given for the best specimen *cinerarias*. METEOR.

#### Pittsburg.

The florists hereabouts do not complain of the way the old year went out and the new one entered, for while the Christmas trade good that of New Years was much better and it has been flourishing ever since. On Saturday last (4th inst) owing to the extremely cold weather, below zero, it was rather slack, but as it had moderated since people are enabled to get about again and it has picked up until it is a good healthy amount.

On the 31st ult. Mr. Gustave Ludwig has a very fine display of cypripediums and orchids, these were grown for him by Mr. Murchi and Mr. O'Brien of Sharon, Pa. He also displayed some very fine violets and chrysanthemums from Beckert Bros., the latter as fine and large as those shown earlier. *Calla* and *Harrisii* lilies are plenty for the season and fine, as are also roses, in fact all the stock now coming is of a good quality, much better than a great deal of that offered a few weeks ago.

John Bader has furnished this week very fine *eucharis*, grown from the old E. C. Reineman stock, and his other stock of flowers is fully up to the standard.

Chas. T. Siebert is furnishing to the trade large quantities of Romans *hyacinths*, these being one of his specialties.

Chas. Konig is delivering *stevias* and tulips now, also *tuberoses*, the latter as fine as any grown in summer.

Chas. K. Hoffmeyer of Carnegie, a suburb about 8 miles from the city, has fitted up his place with a tubular boiler 40 H. P., arranging it for using natural gas for fuel, this replacing a flue boiler; his houses are well arranged, covering about twelve thousand feet, and are devoted to rose and carnation growing, for the trade only. For roses he relies on *Bride*, *Bridesmaid*, *Wootton* and *American Beauty*; for carnations, *Daybreak*, *Scott* and *McGowan* and is trying some of the new ones. He is one of our most successful growers, the blooms of both carnations and roses sent in this week being remarkably fine and especially so as to color.

M. C. Dunlevey, also of Carnegie, put up last fall two new houses each 150x17. The roof, siding and benches are of southern cypress, and the glass 18x36 inches; these houses together with his other one, are devoted to growing carnations exclusively for the wholesale trade and he is making quite a success of his venture. Mr. Dunlevey is president of the Fruit Growers Association of Allegheny and Washington Counties and has a fine fruit farm himself. Among the fruits he grows is the Keiffer pear of which variety alone he has 275 bearing trees and which were so heavily laden with fruit last fall that the branches of many of them touched the ground, although, owing to the drouth, the pears were not as large as in more favorable seasons.

Mr. A. W. Bennett, president of the club, is confined to his home with an attack of typhoid fever. About Christmas he was taken ill with the grippe and it has now developed into the fever. All hope he will soon recover and be able to help with the club to which he has been

of so much assistance, especially during the convention year just past.

The secretary, Mr. Geo. Oesterle, has made a change in his business arrangements, having retired from the position as general superintendent with Mr. Fred Burki and is now with Wm. F. Lauch, one of our younger florists who is about 3 miles south of the city at Carrick P. O.

Mr. James Semple now has a son. His only child, Miss Mary Semple, was married recently to Mr. W. C. Caughey. No doubt many of the visiting ladies of last August remember her, as she helped the club to make it pleasant for their guests at that time.

REGIA.

#### Philadelphia.

We have had a severe touch of winter the past week, the thermometer falling to zero, and in some cases it was reported below that point on Monday morning. The drop was expected, however, and not much if any damage was done, save to a few of the hustlers who had their stock frozen in their boxes. It takes more than one piece of newspaper to keep out zero weather, as some shippers found out to their sorrow. There is some very good stock about at present, Brides and Bridesmaids are coming in extra fine from quite a number of growers, the Mermet, the once great favorite, is getting to be a back number and is sold with difficulty. Very few Wattevelles or Cusin are to be seen and Niphetos is also grown by but few. Wootton is seen occasionally, but is to be dropped. Mr. Heacock, who has it really good, says there is no demand for it and he will not plant it again. Of the new varieties, Mrs. Morgan is doing well and it looks like a permanent addition to the list. Some extra fine specimens of this variety should be seen about before long judging from the condition of the plants. The Beauty is now at its best and some of the growers are bringing in grand flowers of this rose, which seems to be still growing in favor and selling better every day. Carnations are fine and plentiful. Among the really good varieties of which more should be grown is Thos. Cartledge. Some very fine blooms of this variety have been received by Edward Reid, which show what careful culture will do; they are quite equal in all important features to any of the fancy advertised novelties and their color, which is a deep cerise, is most pleasing. Mr. Harris has a late white chrysanthemum Mrs. Thos. Cartledge, which can still be had of him in quantity. We wouldn't be surprised if he should spring an extra early one on the market for Easter, so as to complete the cycle.

Prices have fallen a trifle, the best teas are now \$10, seconds \$6 to \$8. Beauties, good stock, ranges from \$5 to \$7 per dozen and from this price down to \$1 per dozen for the shortest. Carnations \$1.50 to \$2 per hundred with a few fancy sorts bringing \$3. Violets are more plentiful at from 75 cents to \$1.50 per hundred. Romans and narcissus bring \$3 for the best. The intensely cold weather has had a bad effect on business and it has been excessively dull. Perhaps it was something else, it certainly has not been for lack of an assortment of good flowers, as every florist's window and ice box has been crammed full for the past week of the choicest stock. Good violets don't sell nor good Beauties, in fact there is no special demand for anything. Should a mild spell set in the fakir would be in his glory and the streets would be lined with flowers at prices that would make them move and give the people a chance to talk

about the store keepers who charged them \$4 to \$5 per dozen for roses a week or two ago, that they can now buy on the streets for 50 cents.

Chas. Knapp of Chestnut Hill was very unfortunate in having a neighbor's roof blow over on one of his Brunner houses a few nights ago, completely demolishing it. The crop was just coming in and of course was ruined, as it was impossible to make repairs in time to keep out the frost.

The January meeting of the Florists' Club was rather slimly attended, the proceedings were however of a quite interesting character. Mr. Becker read a concise and valuable paper on growing chrysanthemums for exhibition for which he received the thanks of the club. Mr. Jacob Eisele is to prepare an essay on hot water under pressure, which will certainly be a very interesting and valuable paper.

The Gun Club keep up their weekly shoots and many good scores; they meet the Hillside team for a ten man match next Wednesday at the club grounds, Wissinoming. The club house was entered and robbed of sweaters, shells and other articles to the extent of about thirty dollars.

K.

#### Chicago.

Complaints are still heard of the dull business locally; outside sales seem better than city trade. During the past week this complaint has been general. Some few of the local men have a fair amount of decorating, chiefly small affairs, and there is about the usual activity in funeral orders, but transient trade generally is poor. Even the fakirs have been frozen up, but mild days during the latter part of the week began to bring them out again.

Prices have fallen a little, but stock is not over-plentiful, in spite of moving slowly. Roses range all the way from \$4 to \$8, prices on first quality Bridesmaids running \$7 to \$8. This variety is in brisk demand just now, even crowding Meteor, which around the holidays was above it. Bride runs about the same figure. Perles are \$4 to \$6. Beauties, first quality, are \$6 a dozen, extra long being quoted at \$8, but there are literally none such in the market. The demand for Beauties continues steady and unchanged. Carnations vary all the way from 1.50 for ordinary to \$4 for extra fancy, the latter price being realized for Rose Queen. Other fancies are \$3, and good white \$2. There is a good demand for the white, and not an extra quantity.

Bulb stock is plentiful, and much of it goes slowly. The first Von Sion are in from Mailander; they sold quickly at \$6 and were received with much favor. Dutch hyacinths have also appeared and sell at the same price. Freesia is a little short yet and is held at \$3; valley has dropped to the same price. Romans are an absolute drug and don't sell even at \$2, which hardly pays for the bulbs. Paper white is also slow. Harris stands at \$12.50. Violets are still extremely short and stand at \$2. So far this season the supply in our market has never been up to demand.

Among the fancy carnations coming in is a red seedling from Hopp & Lempke of East Grand Rapids, Mich., which appeared first in our market last winter. It is a remarkably fine bloom in all respects, and is eagerly bought in preference to any other red.

Arrangements are now nearly completed for the carnation meeting of the Florist Club January 23. Word has

already been received from originators of new varieties that they will exhibit and a most interesting display of new sorts will result. No one in the trade within easy reach of Chicago should miss this opportunity to inspect blooms of the new varieties, and visiting florists will be cordially welcomed by the club. A committee has been appointed to care for and stage flowers shipped in.

The annual meeting of the Horticultural Society of Chicago will be held at the Sherman House at 3 o'clock this Saturday afternoon (January 11).

#### St. Louis.

The past week business has been very quiet, still prices have held up. Receipts of flowers of all kinds have not been heavy. Carnations have been scarce, and prices very little below those of Christmas. January 1 brought an extra demand, but this holiday has ceased to be much of a factor in the flower market. The retailers report lots of kicking from outside florists as regards exorbitant prices; there is more complaint than in former seasons. Violets had been picked very closely last week and consequently the supply was short. Romans move much better than last season; the quality is good and brings \$4. Some good valley is now coming in, but is as yet sadly lacking in foliage. In the rose market the Perle is very scarce just now, and bring \$5 and \$6. Brides and Bridesmaids are good, and go at \$8 and \$12; Meteor, good stock, brings \$10 and \$12; Beauties, extra grade, \$35 to \$75. Carnations, good long Scotts and Daybreaks, which are most in demand, bring \$4 and \$5, others \$3. Harrisii and callas still hold their own at \$12.50. Mignonette, large spikes, bring \$4 and \$6.

The greenhouses and dwelling of Max Herzog at 7000 Scanlan avenue burned out on the morning of January 4 at 3 a. m. Mr. Herzog lost everything he had, all household goods and clothes, Mrs. and Miss Herzog having narrow escapes. Max reports his loss at \$4,000, and insurance only \$500. What plants did not burn froze, as the night was very cold and a high wind. Mr. Herzog says he will rebuild at once, and expects to be ready for business in about thirty days.

Mr. Andrew Meyer is cutting a fine lot of mignonette, and find ready sales for all he can grow.

At the Bowling Club Monday night twelve members rolled, and some very good scores were made. Mr. C. Bever, after being absent for two months, rolled and made the high scores, with J. J. Bencke second, and E. Schray third. Next Monday night there will be a prize match for the best team work, a donation offered by a well known gentleman in the business, and both teams expect a full attendance.

J. J. B.

#### Toronto.

Ten degrees below zero with no snow on the ground is a little severe, but that is what we got on Sunday and Monday morning. Just now (Monday evening) it is snowing "to beat the band," and the temperature is rising. The last few days have been very hard on greenhouses, owing to the wind and cold together, not so bad for those who had their bunkers well filled with coal and had everything taut, but those whose houses are old and ramshackle, and whose coal pile was limited, have not fared so well, I am afraid.

Business during New Year's week was not at all bad, and most of the florists

I have spoken to seem well satisfied, but the cold weather since has had the effect of making things considerably slacker. The design trade has been very good since New Years, many being sent to outside towns.

A New York millionaire, a Mr. Johnston, was married to one of Toronto's fair daughters on New Years day; Dunlop supplied the flowers, bride's bouquet of white roses, bridesmaid's of pink. The wedding was private and decorations simple.

Violets seem to be in great demand at present, and the supply is good. Roses of a pink shade appear to be "the thing" just now. E.

Montreal.

The Christmas trade, owing to the extremely mild weather, was very satisfactory; the storekeepers all claim to have done a larger trade than ever before with much less trouble. There being no wrapping required, plants were delivered in open wagons as they are in summer. The supply on the whole was up to the demand; roses were rather short, and in consequence brought good prices. Carnations were plentiful, but were pretty well cleared out by noon of the 25th. There was quite a lot of azaleas sold at good prices. Primulas were rather short. There was a demand for anything in the way of a plant in bloom; ferns also sold well. Quite a few tulips were sold, Girdwood having a good display of Yellow Prince, which sold well.

The New Years trade was not quite up to last year, owing largely to the terrific wind storm which prevailed on the 31st from early morning till late at night; it was not safe to venture out, as the streets in some parts of the city were practically blocked with electric wires, chimney tiles and metal from roofs. It being fine on New Years day those florists who kept open cleared out their stock. I have heard of no serious damage to greenhouses, but everyone had more or less glass blown out. A small conservatory attached to a dwelling in the west was completely blown away; some of the plants were blown onto the sidewalk and went flying along for a couple of hundred yards. Florist J. Murray had the roof taken off his residence and landed across the street. BEAVER.

Omaha.

The dealers in general, report a "clean sweep" on everything in the line of cut flowers for Christmas. The only complaint heard was the scarcity of stock. Buyers were slow in placing their orders, consequently Monday and Tuesday preceding Christmas everyone was on the jump. The demand for palms and blooming plants was also heavier than several years previous, which probably can be accounted for by the scarcity of cut flowers. The greater part of the palm sales was for the smaller plants. Potted violets and cyclamen sold well, but azaleas were slow; no hyacinths except the cut Romans which sold readily at 50 cents, complaints were numerous on the sudden advance in the price of flowers. Heretofore Thanksgiving prices have held good until Christmas, but this year from December 1st to the 22nd the best of roses could be bought for \$1 a dozen. However prices advanced Monday morning and few buyers allowed the price to deter them from placing their orders.

American Beauties were scarce at from \$6 to \$18 per dozen, Meteors \$2.50 to

\$5; Woottons \$1.50; La France, Bride and Bridesmaid \$2 to \$4, Perles \$1.50, carnations 50 cents to 75 cents, and daper white 75. In carnations Daybreak was most in demand.

New Years trade was not so heavy as last year, although little stock was carried over. Prices were not so stiff as for Christmas. A few of our dealers had wild smilax which took well, but garland and bouquet green was very scarce.

G. R. H.

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#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

**SITUATION WANTED**—By a first-class all round man; a good grower, propagator, designer, etc. State wages. R G, care American Florist, Chicago.

**SITUATION WANTED**—By experienced grower of cut flowers and plants as working foreman or manager. For full particulars and references address HANSEN, Red Bank, N. J.

**SITUATION WANTED**—By a first-class man as foreman or second man, in a large place where attention to business is appreciation. Address BUSINESS, care American Florist.

**SITUATION WANTED**—As foreman or manager on private or commercial place, by a thorough, practical grower of roses, carnations, violets, decorative and bedding plants. Best references. Address A M, 35 Cortlandt St., New York.

**SITUATION WANTED**—By well experienced florist and gardener, German, forcing roses etc., bedding stuff, decorative plants, landscape gardening. Chicago preferred. Best reference. Address VON HONYER, care American Florist.

**SITUATION WANTED**—After March 1st, by conscientious, intelligent gardener; 30 years' experience in every department of horticulture; as working foreman or general manager of private or commercial establishment—large experience in both lines. Temperate; 45 years old; full of health and vigor. Not afraid of work. Small family. Address A B, 782 Grand St., Jersey City, N. J.

**WANTED**—500 feet of second hand hot water pipes. CARL RACHT, Springfield, Ill.

**WANTED**—Let us grow your carnation plants at one cent each; we want 100,000 to grow. Address MORRIS FLORAL CO., Morris, Ill.

**WANTED**—A reliable all round florist to grow roses, carnations, mums, and general stock. Must be good design worker. Give references. State wages wanted with board. DAVIS & BAIRD, Dixon, Ill.

**WANTED**—An assistant, good on potting bench, with general knowledge of the business, and some experience in bedding out. Wages \$5.00 per week and board. References required. JOHN RECK, Bridgeport, Conn.

**FOR SALE**—Five greenhouses, located in the healthiest climate of the west. For particulars, address Box 562 Canon City, Colo.

**FOR SALE CHEAP**—Established greenhouses. Best location in Chicago. Favorable lease. A B, care American Florist.

## New Seedling CHRYSANTHEMUM Wm. Simpson.

See American Gardening, December 14th, pp. 415. Florists' Exchange, November 23d, pp. 1144. Garden and Forest, November 20th, pp. 465.

To be sent out March 15th, 1896.

50c each; \$5 per doz.; \$35 per 100.

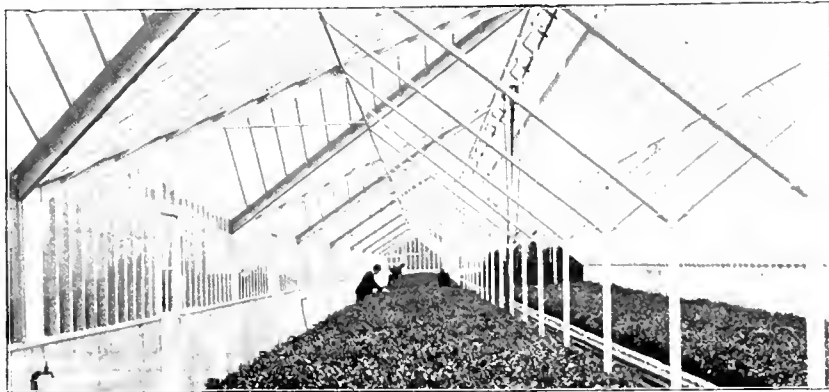
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Large stock plants, true to name; cream of the whole; only \$1.00 per dozen. Trees, Wm R. Smith, Eugene Dilledouze, Nivens, Ivory, Wanmaker, Lillian B. Bird, Harry May, Harry Balslev, W. H. Lincoln, Goldeo Wedding, Cullingfordill, Robt. McInnes, Kate Brown, Harvest Queen, Mutual Friend, Minerva, Tuxedo, Mrs Chas. Larler.  
**SMILAX** from 3½-inch pots, \$1.00 per 100, to close. Cash with order.

JOHN J. ARNOLD, Homer, N. Y.

**SCHMIDT BROS.' FLORAL PARK,**  
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Stock plants and cuttings of Chrysanthemums. New and standard vars., see last week's FLORIST.

**CLEMATIS.**  
Choice, strong home-grown plants. Leading kinds \$3.00 per dozen \$25.00 per 100.  
F. A. BALLER, BLOOMINGTON, ILL.



INTERIOR VIEW OF ONE AZALEA HOUSE AT DREER'S NURSERY. 25X250 FEET.

## AZALEAS FOR EASTER

We are carrying an immense stock of Azaleas and can still supply all the leading varieties in quantity; the plants this season are exceptionally fine, being bushy and well set with buds. If you have not yet laid in your supply for Easter now is the time to place your order as the plants carry in much better shape while the buds are still dormant. We offer:

CROWNS 10 to 12 inches in diameter - - \$5 per Doz., \$40 per 100  
CROWNS 12 to 15 inches in diameter - - \$9 per Doz., \$70 per 100  
Specimen Plants, 18 to 20 inches in diameter - - - \$3 each

**HENRY A. DREER,**  
714 Chestnut St.,  
PHILADELPHIA, PA



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Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure  
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

## Catalogues Received.

Highlands Nursery, Kawana, N. C.,  
nursery stock; Nathan Smith & Son,  
Adrian, Mich., chrysanthemum novelties;  
F. Barteldes & Co., Lawrence, Kas.,  
seeds; Meyers Bros., Altoona, Pa., retail  
list plants and flowers; Jackson & Per-  
kins, Newark, N. Y., nursery stock; F.  
Roemer, Quedlinburg, Germany, flower  
seeds; W. T. Hutchins, Indian Orchard,  
Mass., sweet peas; J. A. Simmers, To-  
ronto, Ont., seeds; August Rolker & Sons,  
New York, flower seeds; W. W. Wilmore,  
Denver, Colo., dahlias; Herb & Wulle,  
Naples, Italy, seeds and bulbs.

## Greenhouse Building.

Whitestone, N. Y., Louis Dupuy, one  
iron frame house 25x125, built by Hitch-  
ings & Co.

North Andover, Mass., J. G. Chadwick  
& Son, two vegetable houses, one 20x80,  
one 30x61.

Long Island City, N. Y., John D. Lym-  
ber, five commercial houses.

Pittsfield, Mass., Geo. H. Neal, one  
house 25x75.

Meriden, Conn., A. F. Crawford, one  
house 18x30.

Jenkintown, Pa., B. Borie, one conserv-  
atory 20x50.

Mineola, N. Y., C. Besold will build  
three commercial houses in the spring.

CLAY CENTER, KAS.—Christmas trade  
was better than last year; flowers were  
not equal to the demand, and there was  
an increased call for roses.

EASTER Sunday comes on April 5 this  
year.

## COMPLETE LINE OF SUPPLIES

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ALWAYS  
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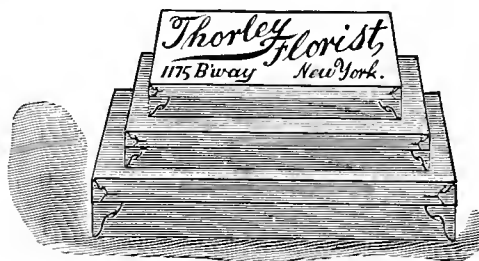
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NEW YORK.



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We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

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Cut Flowers & Florists' Supplies

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HYDRANGEAS, blooming size.

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the market. They are made from  
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these goods, and made so as to resist  
moisture, thereby keeping the flow-  
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shape.**THE NEW YORK  
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IS NOW

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The Largest Dealers in

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Telephone Main 3208. CHICAGO.  
Consignments solicited. Prompt attention to all orders.

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Cut Flowers.

NEW YORK, Jan. 8.	
Roses, Beauty, extra grades.....	25.00@30.00
" culls.....	5.00@10.00
" Perle.....	5.00
" Testouts.....	10.00@15.00
" Cuslo, Waterloo.....	4.00@8.00
" Bride, Bridesmaid.....	5.00@12.00
" Meteor, Morgan.....	6.00@12.00
" Common mixed stock.....	2.00@4.00
Carnations, ordinary.....	75@1.00
" fancy.....	1.00@2.50
Violets.....	75@1.50
Valley.....	3.00@4.00
Harrisli, callas.....	6.00@8.00
Mignonette.....	4.00@15.00
Roman hyacinths and paper white.....	1.00@2.00
Cyrtedums.....	8.00@10.00
Cattleyas.....	30.00@40.00
Adiantum.....	1.00
Asparagus.....	50.00
Smilax.....	12.00

BOSTON, Jan. 8.	
Roses, Gontier, Niphetos.....	3.00@5.00
" Perle, Hoste.....	4.00@8.00
" Bride, Bridesmaid, Mermet.....	8.00@16.00
" Meteor.....	8.00@16.00
" Beauty.....	10.00@50.00
Carnations.....	1.00@2.00
" fancy.....	1.50@2.50
Violets.....	75@1.00
Valley.....	3.00@4.00
Harrisli, callas.....	12.00
Paper white narcissus.....	1.00
Romans.....	2.00
Stevia, Marguerites.....	1.00
Mignonette.....	2.00@4.00
Cyrtedums.....	12.00
Adiantum.....	1.00
Smilax.....	12.00
Asparagus.....	50.00

PHILADELPHIA Jan. 8.	
Roses, Beauties.....	8.00@50.00
" Brunners.....	30.00@40.00
" best selected teas.....	8.00@10.00
" seconds and small stock.....	6.00@8.00
Carnations, general stock.....	1.00@2.00
" selected and choice kinds.....	3.00@4.00
Harrisli.....	8.00@10.00
Valley.....	4.00@6.00
Romans and Paper White.....	2.00@3.00
Violets.....	5.00@1.00
Mignonette.....	2.00@1.50
Smilax.....	12.00@15.00
Asparagus.....	50.00
Maldenhair.....	1.00

CHICAGO Jan. 10.	
Roses, Beauties.....	25.00@50.00
" seconds.....	6.00@20.00
" general stock.....	4.00@6.00
" fancy stock.....	6.00@8.00
" Meteors.....	8.00@10.00
" Testout.....	8.00@10.00
Carnations.....	1.50@2.00
" fancy.....	3.00@4.00
Harrisli, callas.....	12.50
Valley.....	3.00
Violets.....	2.00
Roman hyacinths.....	2.00
Narcissus (paper white).....	3.00
Hyacinths, Dutch.....	6.00
Narcissus Von Sloo.....	6.00
Freesia.....	3.00
Smilax.....	12.50@15.00
Asparagus.....	50.00

ST. LOUIS Jan. 9.	
Roses, Beauties long.....	35.00@75.00
" short.....	10.00@15.00
" select stock.....	5.00@10.00
Carnations.....	3.00@5.00
Valley.....	4.00@5.00
Harrisli.....	12.50
Callas.....	12.50
Romans.....	3.00@4.00
Paper white narcissus.....	4.00
Mignonette.....	4.00@6.00
" double.....	1.00@2.50
Smilax.....	15.00@18.00
Asparagus.....	10.00
Adiantum.....	75@1.00

BUFFALO, Jan. 8.	
Roses, Beauties.....	20.00@40.00
" Meteors.....	8.00@12.00
" Bridesmaid, Mermets, Bride.....	8.00@12.00
" Cuslo, Perle.....	6.00@8.00
Harrisli.....	5.00@20.00
Callas.....	12.00@15.00
Carnations, fancy.....	2.50@3.00
" common.....	2.00@3.00
" short.....	3.00@4.00
Romans.....	3.00@4.00
Valley.....	4.00
Violets.....	1.00@2.00
Adiantum.....	1.25
Smilax.....	12.00@20.00
Asparagus.....	50.00

**GEORGE A. SUTHERLAND,**  
Successor to PECK & SUTHERLAND,  
Successors to WM. J. STEWART,  
**Cut Flowers & Florists' Supplies**  
**WHOLESALE.**  
67 Bromfield St., BOSTON, MASS.  
New England Agent for the GREAT ANTIPEST.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

**John I. Raynor,**  
49 WEST 28th STREET,  
**NEW YORK.**

**SPECIAL EXTRA STOCK OF**  
AM. BEAUTY, METEOR,  
BRIDESMAID, BRIDE.

**DISBUDDED CARNATIONS.**  
**FANCY GRADE.**

CATTELEYA LABIATA, splendid blooms.

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Roses Shipped to all points. Price list on application.

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Careful Shipping to all parts of the country.  
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408 E. 34th Street,  
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Cut Flower Exchange,  
A first-class operating for a few good consignors.

**THEO. ROEHRs,**  
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111 WEST 30TH STREET,  
Established 1879. NEW YORK CITY.

**JULIUS LANG,**  
(Formerly with THEO. ROEHRs.)  
**Commission Dealer in Cut Flowers,**  
**WHOLESALE,**  
53 West 30th St., NEW YORK CITY.

### One Seed Trade.

#### AMERICAN SEED TRADE ASSOCIATION.

S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.; ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Chambers St., New York. Sec'y and Treas.

VISITING BOSTON: Richard Mott, Burlington, Vt.

A. H. GOODWIN arrived in New York from London January 7 on the Majestic.

THE Executive Committee meeting of the American Seed Trade Association takes place at Buffalo January 20.

THE Albert Landreth Seed Co. of Manitowoc suffered a loss of canned stock by fire at Sheboygan on January 5—insured.

THE World's Fair medals in Horticulture are now promised by the secretary of the treasury for delivery about February 1.

A CASE involving question of seedsman's responsibility for purity of celery seed was put on trial in Long Island City, N. Y., January 9.

A NEW YORK weekly paper uses 4 pages of a leading magazine to advertise its seed premium of 40 packets with every one dollar subscription.

VISITING NEW YORK: Wm. Meggatt, W. H. Grennell, John H. Allan, E. B. Clark, W. Atlee Burpee, A. H. Goodwin, E. M. Parmelee, W. A. Brotherton, J. C. Vaughn.

THE seed warehouse of L. L. Olds at Clinton, Wis., was destroyed by fire January 3. Some 3,000 bushels of seed potatoes and a large lot of field seeds were destroyed.

THE usual disposition of the catalogue trade to shave onion prices close is expected to develop with the first appearance of the 1896 catalogues, some of which are said to be a little later than usual.

Syracuse, N. Y.

The good old custom of keeping open house and receiving New Years calls has become almost obsolete here, still the florists had a good trade. Carnations most in demand, with violets, which are plentiful and fine, a good second. Large orders for funeral work and social events have kept the florists busy.

The members of the Central New York Horticultural Society will make a great effort to induce the N. Y. State Agricultural Society to greatly enlarge the premium list in the floral department, which it is hoped will be the means of making a far finer show than has ever been held before.

H. Y.

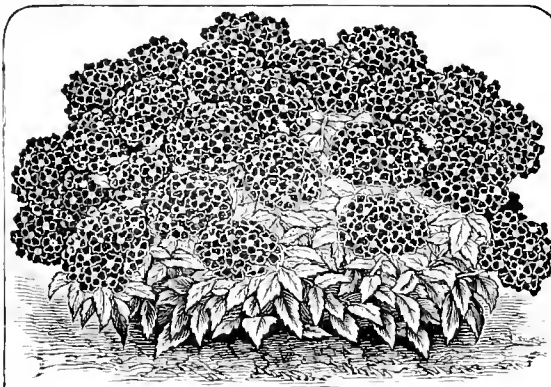
St. Paul.

CORRECTION.—In my notes on the Christmas trade I say several thousand Beauties could have been sold at \$6 to \$15 per dozen had they been obtainable. I intended to say *hundreds* not *thousands*, but in my hurry did not revise my notes.

FELIX.

THE AMERICAN FLORIST (\$1.00) and *Gardening* (\$2.00) together to one address for one year for \$2.50. Send orders to American Florist Co.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns



New DWARF Mammoth

## VERBENA SEED

Crop of 1895 just received.

Grown for us by a specialist, seed saved from mammoth flowers only and of strictly the brightest and most suitable colors, all with large distinct eyes. Now is the time to sow seed if you wish strong plants. **free from rust.** Choicest mixed of all colors, per oz. \$2.75. per 1/4 oz. 75 cts.

## Cyclamen Giganteum Seed.

Now is the time to sow. New crop of seed has just arrived in fine condition, from the largest Cyclamen grower in Europe.

	100 seeds	1000 seeds		100 seeds	1000 seeds
Giganteum Album white, .....	\$1.00	\$9.00	Giganteum Roseum, pink, .....	\$1.00	\$9.00
Giganteum Iturum, red, .....	1.00	9.00	Giganteum mixed, all colors, .....	1.00	8.50

SMILAX SEED, NEW CROP, 40 CTS. PER OUNCE.

Send for our WHOLESALE PRICE LIST, now ready, for a full list of FRESH FLOWER SEEDS.

HENRY F. MICHILL, 1018 Market St., Philadelphia, Pa.

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

## ONE THOUSAND CAR LOTS OF OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pot Roses, standard and dwarf.  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

## 30,000 LILY OF THE VALLEY PIPS.

Extra Quality, at \$6 00 per 1000.

Sample free upon application to PAUL STOEVEER, 146 Herndon Street, Chicago, Ill.

VAN ZANTEN BROTHERS, Hillegom, Holland.

## New Extra DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20 varieties, for only \$2 by mail.

CASH WITH ORDER.

S. O. STREBY,

Lock Box 77,

UPPER SANDUSKY, OHIO.

## The Great WORLD'S FAIR Success.

"Lemoine's Hybrids are the chief glory."  
—American Florist, Aug. 17, 1893.

## GLADIOLUS Lemoinei and Nanceianus.

(150 first-class named varieties offered at low

The best new Forcing Shrub

## Deutzia Lemoinei,

Each 5 francs; per dozen 48 francs

Apply to V. LEMOINE & SON, Nancy, France.

New plants a specialty. Catalogues free.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address GEORGE WITTBOLD,  
1708 N. Halsted St., CHICAGO

## GERANIUMS. ROOTED CUTTINGS.

Most approved bedding sorts, largely Semi-Double and Single scarlets. Double and Single white, pink, salmon, dark crimson and a variety of other choice colors.

Price in assortment, \$12.00 per 1000 labelled, \$10.00 per 1000, or \$1.50 per 100 not labelled. Herr's Pansies. A strain right up to the top notch of perfection, 75c. per 100; \$5.00 per 1000. Stock grown by Daniel K. Herr.

ALBERT M. HERR,  
LANCASTER, PA.  
Mention American Florist

TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.

Vaughan's Seed Store, Box 688, Chicago.



## A GOOD START

To achieve this and keep ahead of competition plant now the following seasonable seed:

	Trade Pkt.	Oz.		Trade Pkt.	Oz.
Verbena, -	.50	\$2.00	Mignonette, -	.10	.40
Elliott's mammoth.			Machet.		
Pyrethrum,	.15	.40	Centaurea, -	.15	.40
Golden Feather.			Gymnocarpa.		
Lobelia, Crystal	.50	3.00	Carnation, -	.25	1.50
Palace			Marguerite.		
Compact.			Salvia Splendens, .25	1.50	
Cyclamen	1.00				
Giganteum.					

Wm. Elliott & Sons, NEW YORK,  
54 AND 56 DEY ST.

## ASTER SEED.

Having cleaned the seed of my celebrated strain of Asters, undoubtedly the best strain for florists' cut flowers; excellent for indoor growing in summer, each plant producing from one dozen to four dozen flowers, from 3 to 6 inches in diameter, on stems from 18 to 24 inches in length. Mixed seed, composed of the following varieties:

SEMPLE'S WHITE, a pure white.  
MISS MARY J. SEMPLE, shell pink,  
and a few light lavender.

For sale in any quantity by the grower. The Trade supplied at special rates.

JAMES SEMPLE, Box 2, BELLEVUE, Allegheny Co., PA.

## NORTHRUP, BRASLAN, GOODWIN CO.

Being **GROWERS** we are in a position to supply **Seeds of First-Class Quality** and to make **specialty low prices**. A trial will convince those who have not yet found this out.

## NORTHRUP, BRASLAN, GOODWIN CO.

20 to 28 Hennepin Ave., MINNEAPOLIS, MINN.

55, 57 & 59 N. Jefferson St., CHICAGO.

## ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Green-house and Conservatory.

SANDER, St. Albans, England,  
& Bruges, Belgium.  
A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106  
and 108 Liberty Street, New York City  
Send for illustrated catalogue.

## Bulbous Begonias.

LAING'S STRAIN. In separate colors.

Lilium Longiflorum, Tuberoses, Spiræas,  
etc. Now on hand.

Ask for prices.

HULSEBOSCH BROS., Englewood, N. J.  
Mention American Florist.

## WE SELL SEEDS

Florists' Flower Seeds and Sweet Peas  
a specialty. Highest quality.  
Special prices.

WEEBER & DON,

Seed Merchants and Growers,

114 Chambers Street, NEW YORK.

## TELEGRAPH CODE

OF THE

## AM. SEED TRADE ASSOCIATION

\$2.00,

In either stiff or flexible cover.

ADDRESS ORDERS TO

AMERICAN FLORIST CO.,

P. O. Drawer 164, CHICAGO.

## CALCEOLARIAS AND CINERARIAS.

A superior strain.

CALCEOLARIAS, spotted and striped, ready  
for 3-inch pots, \$3.10 per 100. In flats, \$2.00  
CINERARIAS, 2 1/2-inch, 2.50  
S. Whitton & Sons, City & Green Sts., Utica, N. Y.

## EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER,  
QUEDLINBURG, GERMANY.

WE ARE HEADQUARTERS ON  
BULBS FOR FORCING,  
FLOWER SEEDS FOR FLORISTS  
ENGLISH MUSHROOM SPAWN.

Special prices on application.

JOHN GARDINER & CO., Seedsmen,  
631 Market St., Philadelphia, Pa.

## Begonias, Gloxinias.

500,000 Bulbs of our Noted Strain for Sale.

PALMS, AZALEAS, FIGS, ARAUCARIAS, SWEET  
BAYS, DUTCH BULBS, LILUMS, ETC.

The Best Is Always the Cheapest. Write for Prices.

TOEFAERT & GEE, GENOBRUGGE les GAND

BELGIUM,

And 36 Catharine St., Liverpool, England.

All Quality, Small Profits, Perfect Packing, Prompt  
Attention, Low Freight.

When writing mention the AMERICAN FLORIST

## Plant Auction.

SALES EVERY TUESDAY AND FRIDAY  
THROUGHOUT THE SEASON.

A. & F. ROLKER, Auctioneers.

106 Liberty Street, NEW YORK.

We are now offering a fine lot of

## DRACÆNAS

in the best sizes and varieties, at very  
low prices. List on application.

PITCHER & MANDA, Short Hills, N. J.

## PANSY SEED.

THE JENNINGS STRAIN OF FINEST  
AMERICAN CROWN PANSIES.

In pkt. of 2500 seeds \$1.00, very finest mixed, all colors.  
Large flowering plants all sold.

E. B. JENNINGS, Pansy Grower,  
Lock Box 251, Southport, Conn.



I GROW as fine a Collection of

## DAHLIAS

as it possible to obtain, of both old and new  
varieties. If you want a choice collection for  
a special purpose, I have studied your busi-  
ness and can give you varieties suitable to  
your purpose.

W. W. WILMORE,

Dahlia Specialist, Box 382, DENVER, COLO.

## CYCAS REVOLUTA.

Orders booked now for fresh imported  
stems, fronds and roots cut off; best long-  
leaved variety. Delivery from March 1st.  
Cultivated Cycas always on hand, rooted  
and well established, at low prices.

Lil. Auratum, Spec. Rubrum and Album, Etc.

Iris Kämpferi, in 100 choice varieties.

Japanese Maples, in best varieties.

Camellias, Pæonies, Tree Ferns, Rhipis, Etc.

Araucaria excelsa, choice cultivated stock at  
lowest prices.

For general Japanese stock apply to

F. Gonzalez & Co.

303 to 312 Wayne St., SAN FRANCISCO, CAL.

## Complete Catalogue

OF

Fruit Tree Stocks, Ornamental Trees,  
Shrubs, Evergreens, Roses, Etc.

Grown by

P. SEBIRE & SONS,

USSY, (Calvados), FRANCE,  
will be mailed on application to their sole  
Agents,

C. C. ABEL & CO.,

P. O. Box 920.

NEW YORK.

300 Acres in Nursery.

1 Acre of Glass.

## Specialties for Florists.

Per 100  
Gardenias, bushy, 15 to 18 inches..... \$12.00  
Crevillea, 12, 18 and 24 inches..... \$6.00, \$8.00 & 15.00  
Eugenia Jambos, 12-15 inches..... 12.00  
Camphor, 12-18 & 20-40 inches..... \$8.00 & 25.00  
Guava Red Cattley, 15-20 inches..... 12.00  
Magnolia Fuscata, 8, 15 & 20 in..... \$12, \$15 & 25.00  
Olea Fragrans, 6, 10 & 20-15 in..... \$8, \$12 & 20.00  
Oranges & Lemons, grafted on dwarf stock,  
blooming size, stocky, 10-12 & 15-18 in..... \$25 & 40.00  
Otaheite Orange, bushy, 10 & 12-15 in..... \$8 & 15.00  
Stock of above all pot-grown, ready now to ship,  
and in best possible condition.

FIELD-CROWN ROSES, including 10,000 M. Niel,  
budded; Fruit and Ornamental Trees, Rare Con-  
ifers, etc. Send for Trade List and Descriptive  
Catalogue.

P. J. BERCKMANS,

Fruiland Nurseries, AUGUSTA, GA.

## BOXES! BOXES! BOXES!

Three-Piece Wood Mailing Boxes.

The neatest and strongest box in the market.  
Send 15 cents in stamps for sample nest.  
We also make Cut Flower and Express Boxes.  
Thin Lumber sawed to order for packing.

ADDRESS

W. B. SMITH,  
KENTON, Gardin Co., O.



Springfield, Mass.

Christmas trade with our florists was fine. They report very good trade and excellent prices. Everything was sold out clean. There was a scarcity of roses and violets. It seemed as if there never was so much trade in greens and holly. Among plants cyclamens, primroses and ardisia found ready sale, and the demand became more than the supply. The churches decorated themselves quite largely, the majority of it being done by the members. One church, however, was handsomely decorated by Miller, and one in holly and greens by Gale.

Aitkin reports that he alone sold nearly 14,000 violets.

During the past week there was a charity ball at Holyoke, a few miles above Springfield, for which Howland, a local florist, served as decorator, having the use of plants from the private greenhouses of E. C. Taft, one of the managers. It is almost needless to say that it was a beautifully decorated affair.

There have been several large funerals in Springfield lately, and the funeral work that has been done by our florists has been of an exceptionally high order. Special mention should be made of a wreath of American Beauties, also a very large handsome wreath of Bridesmaids. The scarcity of flowers which began about New Years is continued by the extreme cold weather which is now upon us.

A New Years dinner given by one of our prominent society ladies was lavishly decorated in Bridesmaid roses. About fifteen inches or just inside the covers there was a broad sash of pink ribbon, extending around the entire table. At each corner there were large bows, in the folds of which were intertwined the roses. In the center of the table was an immense cluster of the same arranged in a cut glass dish. Asparagus was used to good advantage among the ribbons, and bon-bon boxes. Several society events are booked for later in the month, which will tax the ingenuity of some of our florists.

B. M.

WE HAVE RECEIVED from J. C. Renssion, Sioux City, Ia., a very pretty advertising calendar, which should keep him in the minds of his customers all the year round. It is decorated with the flowers of the four seasons, and is a happy idea in advertising literature.

## OUR NEW CHRYSANTHEMUMS

FOR 1896

Have been fully indorsed by the  
Chrysanthemum Society  
of America.

Descriptions and prices free on application.

NATHAN SMITH & SON,  
Adrian, Mich.

E. G. HILL & CO.,  
Wholesale Florists  
RICHMOND, INDIANA.

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

# New Chrysanthemum IVOIRE ROSE, A SPORT FROM IVORY.

Without doubt the best all round  
variety grown for general purpose. In  
color it is a beautiful silvery pink.

NO GROWER SHOULD BE WITHOUT IT.

We offer plants from 2-inch pots, March 1st  
delivery, at \$3 per doz.; \$20 per 100.

ORDERS BOOKED, AND FILLED IN ROTATION.

JOHN BREITMEYER & SONS,  
DETROIT, MICH.

## TWO BEAUTIFUL NEW CHRYSANTHEMUMS

GRETCHEN BUETTNER.

A large, beautiful white of great depth; distinct  
in color and form. Strong stem and fine foliage.  
3½ ft. Crown bud. Certificate of Merit Horticult-  
ural Society, Chicago. First Class Certificate N. C.  
S. (See AM FLORIST, Nov. 16)

\$5.00 PER DOZEN; \$35.00 PER 100.

READY MARCH 1, 1896.

MRS. E. BUETTNER.

A beautiful clear yellow reflexed flower, in  
form like Morel, with excellent stem and foliage.  
Late. 3½ feet. Crown bud.

First Class Certificate N. C. S.

\$4.00 PER DOZEN; \$25.00 PER 100.

ORDERS BOOKED NOW.

E. BUETTNER, Park Ridge, Ill.

## PINK IVORY,

(MISS AGNES L. DALSKOV.)

STOCK PLANTS, \$22.00 per Dozen; \$2.00 each.

Cash with Order. M. HANSEN, New Durham, N. J.

MARQUIS DE MONTMORT  
AND MERRY MONARCH,

50 cts. each; \$5.00 per dozen.

Marion Henderson and Major Bonnaffon,  
25 cts. each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

DAILLEDOUZE BROS., Flatbush, N. Y.

## Wanted.

100 PIN OAKS, 8 to 12 feet.

100 WHITE OAKS, 8 to 10 feet.

ANDORRA NURSERIES,

WM. WARNER HARPER CHESTNUT HILL,  
Manager. PHILAD'A, PA.

Always mention the American Flo-  
rist when writing to advertisers.

## CHRYSANTHEMUMS

All the best new and old varieties.

Send for List to

EDWIN LONSDALE,

Chestnut Hill, Philadelphia.

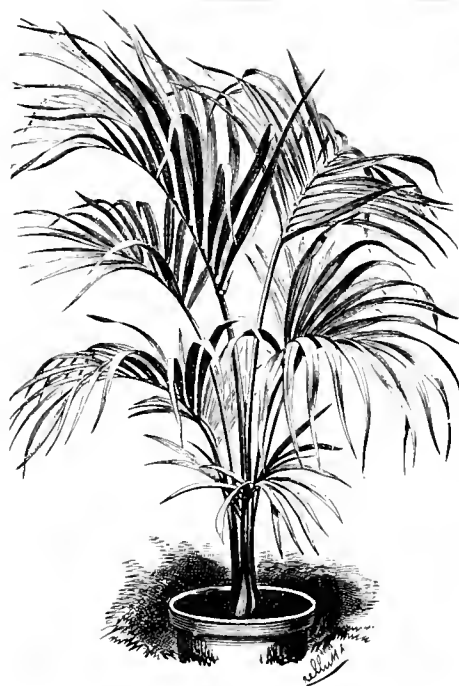
## CHRYSANTHEMUMS.

80 New Varieties, including

Miss M. M. Johnson, J. E. Lager, Philadelphia. Minerva, Marle Louise, J. H. Troy, Mrs. Henry Robla-  
son, Sunrise, Miss G. Pitcher, John Shrimpton, Royal  
Windsor, Mrs. S. T. Murdock, H. W. Itleman, Miss F.  
Pulman and Zulueta. Fifteen plants for \$1. Send  
for catalogue. Address

M. B. LITTLE, Glens Falls, N. Y.

WHEN writing to any of the advertisers  
on this page please mention the AMERI-  
CAN FLORIST.



## YOUNG PALMS FOR GROWING ON

We have an immense stock of the following young Palms in exceptionally fine condition which will be found of good value for growing on.

### ARECA LUTESCENS.

2 1/4 inch pots, 6 inches high	.....	\$75 cts. per doz.
		\$6 per 100.
		\$50 per 1,000.
3 inch pots, 12 to 14 inches high	.....	\$1.25 per doz.
		\$10 per 100.
		\$95 per 1,000.

### KENTIA BELMOREANA

2 1/4 inch pots, 3 leaves, 8 to 10 inches high	.....	\$2 per dozen.
		\$15 per 100.
3 inch pots, 4 leaves, 10 to 12 inches high	.....	\$3 per dozen.
		\$25 per 100.

### KENTIA FORSTERIANA

2 1/4 inch pots, 3 leaves, 6 in. high	.....	\$1.25 per doz.
		\$10 per 100.
3 inch pots, 4 leaves, 10 to 12 inches high	.....	\$2 per dozen.
		\$15 per 100.
4 inch pots, 4 to 5 leaves, 15 to 18 inches high	.....	\$4.50 per doz.
		\$35 per 100.

### COCOS WEDDELIANA.

2 1/4 inch pots, about 5 inches high	.....	\$2 per dozen.
		\$15 per 100.

Owing to a scarcity of this variety the price is about 50 per cent higher than last year. We have but a limited stock of this variety to offer.

### LATANIA BORBONICA.

2-inch pot, 3 to 4 leaves	.....	\$75 cts. per doz.
		\$5 per 100.
		\$40 per 1,000.
3-inch pots, 4 to 5 leaves	.....	\$1.25 per doz.
		\$10 per 100.
		\$80 per 1,000.
4-inch pots, 4 to 5 leaves	.....	\$3 per dozen.
		\$25 per 100.
		\$225 per 1,000.

The 3-inch pots are just beginning to show character nicely, while the fours are nicely developed plants.

### Chamaerops Exce'sa.

2-inch pots	.....	\$75 cts. per doz.
		\$5 per 100.

### Cocos Plumosa.

3-inch pots, 15 inches high	.....	\$1.25 per doz.
		\$10 per 100.

### Ptychosperma Alexandrae.

2-inch pots, 6 inches high, 3 leaves	.....	\$75 cts. per doz.
		\$6 per 100.

### Livistona Rotundifolia.

A nice lot of small plants of this	.....	\$2.50 per doz.
scarce variety in 2-inch pots	.....	\$20 per 100.

## HENRY A. DREER,

714 CHESTNUT ST.

PHILADELPHIA, PA.

## PALM SEEDS

We are now looking orders for the following Palm Seeds which we expect in the course of the next month, and repeat that we guarantee full germinating power and replace seeds non-germinating.

	Per 100	Per 500	Per 1,000
Cocos Weddelliana	\$12.00	\$55.00	\$100.00
Areca lutescens	10.00	47.50	90.00
Areca rubra	10.00	47.50	90.00
Geonoma gracilis	12.00	55.00	100.00
Geonoma Schottiana	15.00	65.00	120.00
Latania borbonica	2.75	12.00	20.00

Send your order at once if you wish to receive first-class seeds

On hand in excellent condition:

Corypha (Livistona) australis	Per 100 Per 1000
	\$ .75 \$5.00

Kentias, new crop not expected before August.

Chas. Schwake, 404 E. 34th St., New York.



## HERMOSA ROSES.

FIRST SIZE	.....	per 100, \$5.00; per 1000, \$45.00
SECOND SIZE	.....	per 100, 7.00; per 1000, 65.00

HOLLAND CROWN, 2 year, strong.....per 100, 10.00.



## H. P. ROSES, 2 YEAR (Budded).

All Leading Varieties.....per 100, \$10.00

CLOTHILDE SOUPERT, 8 to 12 inch, strong.....per 100, 10.00



## CLEMATIS (Jackmanni and type).

Holland grown, 2 year.....12 for \$3.75; per 100, \$27.50

Holland grown, 3 year.....12 for 4.80; per 100, 38.00

HYDRANCEA P. Cr., 4 feet, strong.....12 for 1.50; per 100, 10.00



## VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.

## 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

## ROSES H. P. LOW BUDDED.

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ENGLISH IVY, 4 to 5 feet long.

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A magnificent collection of the finest giant flowering varieties: largest flowers and best colors.

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50,000 ROOTED CUTTINGS, including

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Can do you justice in quality and prices. Write me before you buy. Address CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

## ROOTED CUTTINGS OF VERBENAS,

75 cents per hundred. Good kinds PELAGONIUMS, from 2 1/2-inch pots, \$4.00 per hundred. Good varieties

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CRIMSON RAMBLER—\$6.00 per 100. Field grown, \$15.00 per 100. Extra fine plants, 3 to 5 feet high, \$25 per 100. Other roses at low prices. Send for list.

SPIRAEA ANTHONY WATERER—The Crimson Spiraea. The Ideal Pot Plant for Florists. Introduced last year at \$2.00 per plant, our price to-day \$8.00 per 100.

BULBS—Chinese Sacred Lilies, \$4.00 per 100. Lilium Candidum, fine bulbs, \$2.00 per 100. L. Longiflorum, \$2.00 per 100. L. Speciosum Album, \$8.00 per 100. L. Spec. Rubrum, \$5.00 per 100. L. Auratum, \$3.00 per 100. All other bulbs

CANNAS—12 New Cannas, our own raising, \$6.00, warranted satisfactory or money refunded. Crozy's Cannas of 34 sorts each, set of 20, \$3.00. 50 named cannas, 50 sorts for \$5. French Cannas, \$12 per 100.

DAHLIAS—All the latest introductions. Mrs. Pearl the white Cactus Dahlia, \$10 per 100. Nymphaea, the pink cut flower Dahlia, \$7 per 100. Mixed Dahlias, \$4 per 100.

IMPERIAL MORNING GLORIES—Double and single flowers, 6 inches. Seed, \$4, \$10, \$20 and \$40 per pound.

FANCY FLOWER POTS AND JARDINIERS Largest assortment in the country. Send for catalogue.

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## ROSE QUEEN, Rooted Cuttings,

the best paying CARNATION in the market. Also a few other good varieties. Clean and healthy, never had rust on my stock. Send for price list.

FRED. SCHNEIDER, Florist,  
751 Crawford St., Cleveland, O.

## Indianapolis.

A green Christmas, consequently no boxing and wrapping of plants, an advantage worth considering. Special features this season were the large sale of palms and fine blooming plants. In cut flowers the carnation might be called the leading flower in demand, the people knowing well the high prices charged for roses. The dark gloomy weather was hard on roses it is true, but the wholesale prices charged for poor ordinary stock drives the retail dealer to suggest and offer everything else but roses. Violets and all bulbous flowers were plentiful to a degree, while plenty of funeral work the following days made flowers of all kinds extremely scarce. Green goods are passing out of the hands of florists as well here as elsewhere, the prices have come down to the lowest possible limit. Considerable store decorating was made. In general all in our trade report a satisfactory holiday trade.

New years trade unexpectedly turned out much better than last year, but nothing like it used to be some years ago. Considerable funeral and wedding work has kept the boys busy since the holidays. Flowers are improving in quality and quantity with prices reasonable.

The Indianapolis Florists' Clubs at the December meeting elected the following officers: John Hartje, president; F. B. Alley, secretary and treasurer; Ernest Huckriede, vice-president. Auditing committee: E. A. Parker, Henry Rieman, J. J. B. Hatfield. A committee was appointed to revise the premium list of the Indiana State Fair Floriculture Department consisting of Wm. Berterman, Anthony Wiegand and E. A. Parker.

The January meeting of the club was held at the club rooms on Thursday January 2. The attendance was small, the general interest through some cause is not what it used to be, something must be done to revive interest and also to replenish the treasury. A meeting was arranged for the commercial florists to confer with the soldiers monument regents in regard to some large flower beds next summer around the monument.

General interest is taken in the coming annual meeting of the Society of Indiana Florists; no definite dates have so far been fixed. It will however occur sometime in February.

A fire in the store of the Huntington Seed Co. destroyed much of their florists supply stock and also injured some of the seeds and bulbs. Loss was all covered by insurance. Immediate steps were taken to test all seeds close to fire and smoke.

The natural gas supply is very short, no dependence can be placed on it any more. The majority of florists are burning coal again.

W. B.

WE HAVE received from Mr. G. C. Watson, Philadelphia, samples of the three sizes of light wooden boxes offered by him specially for florists' use. They are light, strong and serviceable and of shape and sizes well adapted to the requirements of the trade.

**ROSES ROOTED CUTTINGS**—Strong, healthy and well rooted. Per 100 Per 1000  
Bridesmaid, La France, Meteor, etc. \$1.50 \$12.50  
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**CARNATIONS**, Scott, Daybreak, etc. 1.50 12.50  
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Cash with order. Add 10c per 100 by mail. No personal checks. Address  
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**CARNATIONS.** ROOTED CUTTINGS.  
Wm. Scott, Lizzie McGowan, Portia, \$2.00 per 100.  
Free by mail. Cash with Order.  
J. H. DANN & SON, WESTFIELD, N. Y.

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### HOW MANY CUTTINGS OF

# DELLA FOX and ANNIE H. LONSDALE

will you be able to supply the trade with? Of Della Fox, after a close calculation,

## Only 80,000 Cuttings,

And yet with the liberality the trade is ordering these sterling varieties we fear that we will not have enough to go around, as everybody who has seen this variety pronounces it the best flower of its class; the longest and stiffest stems; the most prolific, strongest grower of any carnation in cultivation. You can't afford to miss them, so get your order in early or you will be left.

### COME AND SEE THEM.

One Hundred Dollars in Cash Premiums will be offered for the best 50 blooms of **DELLA FOX** in the fall of 1896—divided in the four largest cities in the U. S.

**ROOTED CUTTINGS.** Price: Less than 100, \$12.00 per 100. 100 @ \$10.00 per 100. 1000 @ \$75.00 per 1000. **READY MARCH 1st, 1896.** No orders will be booked unless cash accompanies order or satisfactory reference given. Sample cut blooms will be sent to florists' clubs only on application.

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## ROOTED ROSE CUTTINGS

American Beauty.....2½ cts  
Brides.....1½ cts  
Bridesmaids.....1½ cts  
Meteors.....1½ cts

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1 1-2 Cents.

Jerome Jones, Whilldin,  
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Perfectly clean and healthy, and will be well rooted when sent out.

50,000 ready Jan. 25 and later.

### VARIETIES:

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**BOUTON D'OR**, best yellow, \$3 per 100; \$25 per 1000.

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THE COTTAGE GARDEN LIST OF

Selected Cuttings Grown from Selected Stock Plants.

PINK—Bridesmaid, Triumph, Scott, Della Fox, Rose Queen, Daybreak, Albertini,

WHITE—Storm King, Alaska, Annie Lonsdale, McGowan, RED—Meteor, Jubilee, Portia,

YELLOW—Goldfinch, Kitty Clover, Eldorado, Helen Keller, Aranzinda, Minnie Cook,

VARIEGATED—

Our Carnations were awarded the Magnificent Silver Cup offered by James Dean. Also the Special Silver Cup offered by the National Live Stock Association, Madison Square Garden Flower Show, for the best displays of Carnations. While the competition was sharp, the judges unanimously awarded the prizes to the Cottage Garden Collections.

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ROOTED CUTTINGS that will give good results, because they are taken from healthy stock, and will be well rooted when sent out.

VARIETIES—McGowan, Mrs. Fisher, and Alaska, the best of all whites. Daybreak, Scott, Aurora, Sweetbrier, Rose Queen, Peachblow, Dorner, Stuart, Portia, Jubilee, Buttercup, Eldorado, Kitty Clover, Keller, Iago, and Meteor, the best of all dark ones. Thomas Cartledge and Wave; also all the Novelties, including Annie Lonsdale and the hit of the season DELLA FOX.

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Selected Cuttings, well rooted in sand and soil, delivery February 15th and later, \$2.00 per 100; \$15.00 per 1000.

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All other kinds sold.

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50,000 Rooted Cuttings of the leading market varieties of

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Also thousands of Rooted Cuttings and Stock Plants of sixteen of the newest and best premium varieties of CHRYSANTHEMUMS, all at the lowest possible prices for cash. Address

MRS. GEO. R. FRAVELL, Marion, Ind.

CARNATIONS!

The two leading varieties

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Buy from the originator and procure genuine stock. CUTTINGS NOW READY.

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ROSE QUEEN, DAYBREAK, WM. SCOTT, VAN LEEUWEN, TIDAL WAVE, Etc.

Write for price list.

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The best YELLOW CARNATIONS to grow for profit. ROOTED CUTTINGS now ready, @ \$5.00 per 100. Also 30,000 strong rooted cuttings of suitable kinds for summer bloom.

LADY CAMPBELL VIOLETS, root'ed runners, @ \$1.00 per 100; \$8.00 per 1000.

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ALASKA, the coming white.

PEACHBLOW, fine pink.

And all other new and standard varieties.

Please let us know how many and what kinds you want, and we will give you lowest cash prices. All our plants are warranted to be perfectly clean and healthy, and well rooted. Ready now.

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Wired Printed Tree Labels a Specialty.

"Highly Commended" at the last Florists' Convention, as well as by all who have used them.

Send for samples.

BENJAMIN CHASE, Derry, N. H.



Pasadena, Cal.

New Years day dawned bright and fair in Pasadena for the seventh consecutive year, and the seventh annual rose tournament was celebrated with more pomp and ceremony than ever heretofore. The city turned out en masse, and hundreds of visitors were present from Los Angeles and all surrounding towns. The colors selected for the tournament this season were cardinal and pale blue, and all the business houses throughout the town were resplendent in banners, bunting, etc., of this color.

As early as yesterday the more elaborate coaches and floats were decorated, and early this morning were awaiting a position in the procession. The parade was made on Orange Grove avenue, the principal residence street. Here hundreds of seats were arranged for the accommodation of visitors, and the judges' stand was erected here also. This was lavishly decorated with smilax, carnations and greens. The press stand opposite was a veritable bower in holly and bunting. The scene was a novel one, and only possible in California. In every respect the pageant was a grand success, the day being warm and summerlike. It was witnessed by thousands, and was two hours in passing a given point. A herald rode in advance of the procession with helmet and trappings in Bride roses. The marshal of the day was decorated with Mermet roses. The horses were decorated with wreaths of pink roses.

A very pretty float was a bevy of young ladies in white decorated with violets and smilax on a white ground. As they passed through the streets they scattered rose petals from baskets. The finest and most elaborately decorated float was that of the Valley Hunt Club. The coach was covered with white roses and chrysanthemums. The horses and harness were a mass of red poinsettias. All the lady occupants carried large bouquets of red poinsettias also. This was awarded the first premium.

Dr. W. H. Robinson received second prize for decoration entirely of pampas plumes. In the single class Mayor Cox received first prize for his surrey decorated in smilax and Portia carnations. H. R. Hertelin was awarded second for white and pink roses. In the pony class Miss Virginia Rowland's pony tandem took first prize, decorated in Bride roses and ferns. The pony classes were lavishly decorated throughout. The pageant was a glorious success, demonstrating the floral resources of this section at the midwinter season as never before shown.

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FLORISTS' SPECIAL COLORS:  
American Beauty, Mermet, Violet,  
Narcissus, etc. Samples free.

Cash with order. . . . . Reference: THORLEY.

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ones too, may be delivered at your station if you are nearer Chicago than New York, freight paid, at 75 cents per 100 lbs. (500 lbs. in bale); it will be to your interest to write about it; be sure to mention your R. R. station.

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Sizes 1 1/4-inch and 2-inch, \$2.00 per 100. Patent fastener with each letter. With orders for 50 letters we give away a nicely stained and varnished box. See cut in next week's American Florist.

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23 & 25 N. 4th St., PHILADELPHIA, PA

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made from it is cleaner, cheaper and better than from any other source.

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Brilliantly Colored

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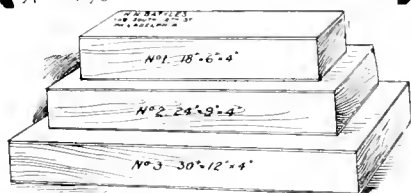
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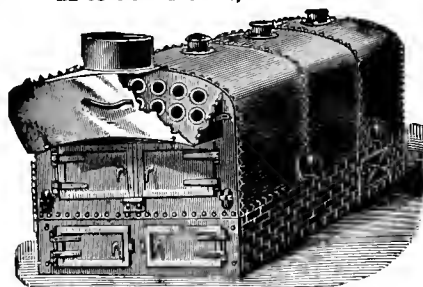
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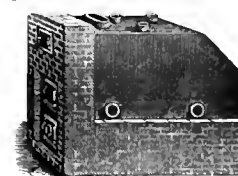
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## News Notes.

NEWPORT, R. I.—J. M. Hodgson's greenhouses were seriously damaged by fire January 7.

BESSEMER, ALA.—C. H. Spencer's greenhouses were burned December 31, entailing a loss of \$2,500, with no insurance.

DANVILLE, VA.—R. F. Stanley has entered the business here and built one house 20x60. He will add another shortly.

DETROIT, MICH.—T. F. Michel has started in business as a florist and has erected two houses 20x80 at Canfield and Collins streets.

CRESTON, IA.—John A. Tipton of Chicago has been engaged to take charge of the greenhouses of J. B. Harsh, and will act as manager.

WINCHENDON, MASS.—Henry Whittemore of the firm of Sutherland & Whittemore and Miss Lizzie Derby were married on Saturday, December 21.

CHICOPEE, MASS.—The business of Mr. Dexter Snow, who died last June, is being continued by Mrs. Snow. Mrs. Snow reports a very gratifying business for the fall months.

JERSEY CITY, N. J.—The New Jersey State Horticultural Society held its annual meeting at the State House on January 2 and 3. Many interesting papers were read and discussed.

WEST PLAINS, MO.—G. E. Probst has added a nursery department to his florist business, raising fruit trees and ornamental flowering shrubs. Wm. C. Rhodes has sold out to W. C. Leymaster.

HARTFORD, CONN.—The Connecticut Horticultural Society held its annual meeting on Monday evening, December 30. The following officers were elected: President, H. R. Hayden; vice-presidents, W. B. May, John Coombs and Edw. Browne; secretary, T. J. McDonald; treasurer, N. F. Peck, and an executive committee of nine members.

HILLSDALE, MICH.—Mr. Carl Hirsch, who has been gardener here for the L. S. & M. S. R. R., will start in business for himself March 1 next. He has secured a fine corner lot 200x186, centrally located, and will build one greenhouse 25x100 to start with and will add more houses next summer. He will do a general business. The new establishment will be heated by steam.

PASADENA, CAL.—The seventh annual tournament of roses was held here New Year's day. The weather was like a June day in the east, and thousands of people witnessed the parade, which was participated in by some 500 people. There were a large number of six-in-hand coaches, four in hands, double and single teams, literally covered with roses and other flowers. These scattered roses along the line of march.

## FLOWER POTS.

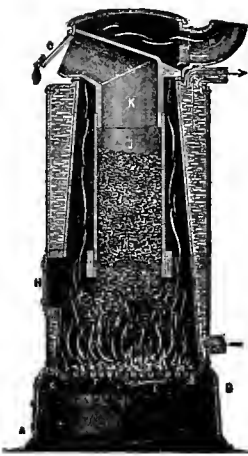
We Manufacture all kinds of Flower Pots, etc.  
Making a Specialty of

## Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

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## Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

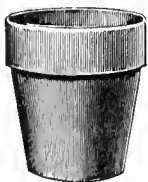
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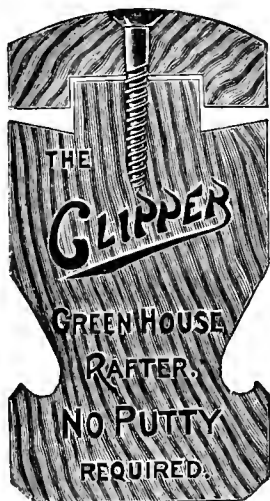
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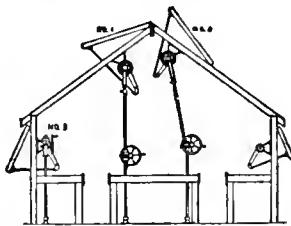
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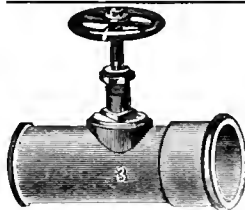
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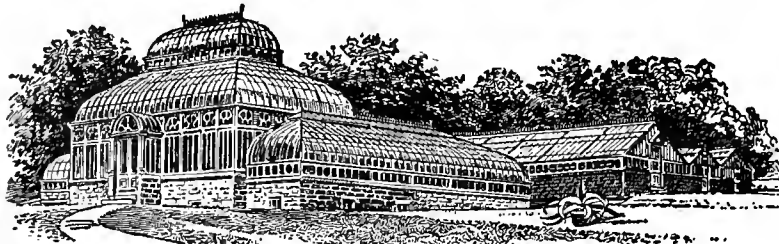
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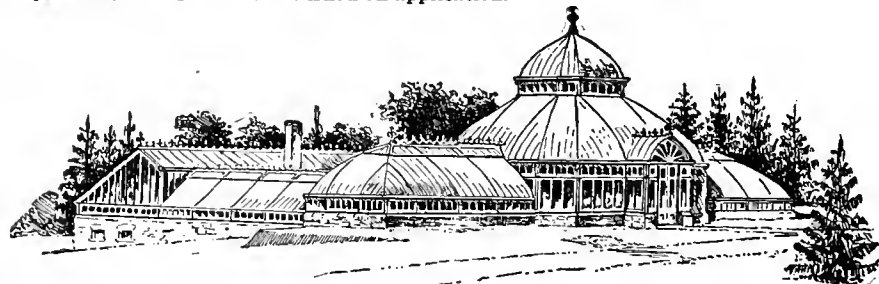
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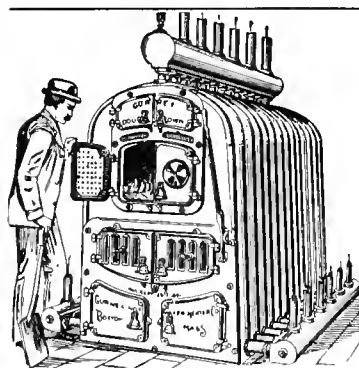
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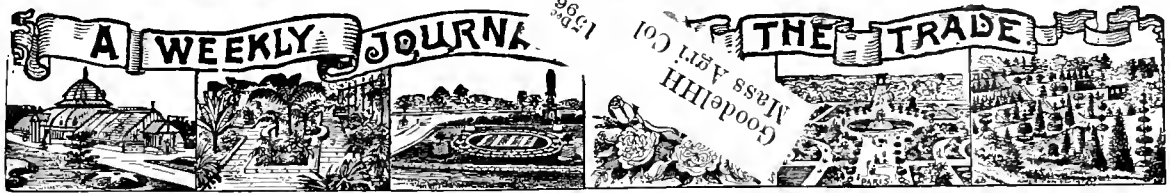
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"We Heat the World."

CHICAGO: 84 Lake St.

# THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XI.

CHICAGO AND NEW YORK, JANUARY 18, 1896.

No. 398

## THE AMERICAN FLORIST

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PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

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P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### SOCIETY OF AMERICAN FLORISTS.

WM SCOTT, Buffalo, president; ADAM GRAHAM Cleveland, O., vice president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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**CARNATION IVORY.**—Messrs. Geo. Hancock & Son, Grand Haven, Mich., send us specimen blooms of a new carnation they have named Ivory. It is a pure white flower of good size, fragrant and with perfect calyx. It seems a promising sort.

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Small Flowers on Perle.

What is the cause of roses having small buds (especially the Perle) when the wood is in a perfectly healthy state so far as I can judge? I have a night temperature of about 56°. Until a few weeks ago I cut fine buds. Do you think it is caused by too much of a rank growth on the wood, thereby taking strength from the bud? A SUBSCRIBER.

The size of the flower is generally, though not always, proportioned to the strength and vitality of the stem which bears it. The Perle rose loves warm weather and an abundance of sunshine, and when it has these conditions it does its best, as is seen every fall and spring, while in midwinter, though it produces long strong stems, the flower is apt to be quite small. A watering once a week with weak liquid manure would probably add to the size of the bloom. I have always found that to have Perles do well in midwinter it is necessary to give them a higher temperature than is recommended for teas generally, 60° to 62° is much more satisfactory with me; in less heat the percentage of deformed flowers is entirely too large. Unless "Subscriber" has other varieties in the same house which would suffer from the higher temperature I would suggest that he try it in connection with the liquid manure. ROBT. SIMPSON.

### An Hour at Waban Rose Conservatories.

Long training and experience and a liberal endowment of brains and good judgment, these together with the accessories of modern houses and efficient help are all indispensable to successful rose culture to-day. Mr. Montgomery has all these, but his own testimony is that careful attention to small details is the main requisite, and when questioned as to the secret of his success that is the explanation modestly given by this greatest of American rose growers.

That his theory is thoroughly reduced to practice is very evident to the visitor. Occasionally Mr. Montgomery gets to the Florists' Club's monthly meeting in Boston, once in a year he appears at the club supper and he is a loyal attendant upon the conventions of the national society, but with these exceptions go there when you please and you will invariably find him at his post scrutinizing every smallest detail in the management of the vast

establishment at Natick. "It's no use, gentlemen" he said on one festive occasion when the company vainly tried to induce him to make a speech; "it's no use, all the clapping in the world wouldn't make me talk. I stay at home and do the work and let Mr. Wood do the talking." But this rule does not prevail when strolling with a visitor up and down the greenhouse walks. Allenquiries are freely answered, methods explained and information as to experience and culture given in the most frank and kindly manner.

Fully two-thirds of the entire planting this season consists of Brides and Bridesmaids, these about equally divided. They yielded during November and December considerably more than during the corresponding period last year and although now somewhat off crop are in splendid condition. A solid bed of Mermeis, now in its third year, is yielding abundantly. These mementoes of the past which would otherwise have been replaced with Bridesmaids were retained in deference to the urgent entreaties of one or two retail florists who must have that particular shade for their customers, but who now blandly decline to pay Bridesmaid prices for them. Taking net results the Bride has been the most profitable rose of all. When there has been a glut in the market the pink roses have suffered most. This fact, in Mr. Montgomery's judgment, gives the new pink roses, Belle Siebrecht and Mrs. Morgan, an uphill job, for Bridesmaid holds the field up to date as a pink rose.

Belle Siebrecht has shown a little black spot but is healthy otherwise. Its color here is wonderfully deep and glowing. "It wouldn't do to discard a rose with such a color as that on first trial," Mr. Montgomery observes; "I think it will be a good rose as soon as we get a little strength into it." The color of Mrs. Morgan is just right now and it sells better than it did in the fall, when Cusin had the preference on account of its lighter shade. Mrs. Morgan comes paler now but the plants have been handicapped by a wholesale attack of club-root and are almost stripped of their foliage by black spot, from which they are now recovering and give promise of a good crop later on.

American Beauty is doing better than heretofore. Mr. Montgomery says that his greatest trouble has been to get a soil that would carry Beauty through the winter. Natick soil is too light for this rose. Testout, Kaiserin and Watteville are grown but sparingly. Testout has never taken well in Boston and Watteville is too short lived to ever enjoy any extended popularity. Meteor is very satisfactory.

In hybrid perpetuals Ulrich Brunner and Rodocanachi are grown almost exclusively. But two beds of Jacqueminot only remain, whereas formerly the quantity grown was three Jacqs to one Brun-

ner. The Brunners are all grafted stock. Capt. Haywood is being tried as a substitute for Jacq. The color is still needed, but Jacq, because of the necessity of retaining its big canes, takes up too much room and a dark red rose that can be cut back is needed to fill the houses left vacant by the chrysanthemums. Capt. Hayward's color is grand but the flower lacks substance.

#### Bridesmaid Dropping Buds.

My Bridesmaids show a fine growth, foliage dark green, stems long and strong, plants full of new wood, and apparently in fine vigorous condition. Each flowering shoot forms its bud, but when scarcely the size of a sweet pea seed the bud drops, the shoot breaking on each side of bud for a new growth. The bud generally dries up before falling. This condition prevails with nearly every plant, some of which are now four feet high, and all growing and breaking steadily.

VERITAS.

This premature dropping of the buds is not something new by any means. I have seen Bridesmaid, Bride, Watteville and Cusin, and probably others affected in this way, but have never been able to come to a satisfactory conclusion as to the cause. Sometimes I have thought it was the result of too high a temperature; at other times it has seemed to be caused by the young growths hardening up too soon, but I have never been able to do more than guess at the origin of the trouble. I have experimented by lowering the temperature, withholding water at the root, giving an abundance of water and by applying various stimulants, and have about come to the conclusion that a good top dressing of soot or wood ashes is generally more beneficial than anything else I have tried. Would recommend "Veritas" to experiment along these lines; no knowledge is as good as that gained by actual experience. ROBT. SIMPSON.



Carnation Notes.

The time draws near for the convention of the Carnation Society at New York, February 20 and 21. Many look with expectant eyes to the approach of this important event, and many are so heedless that they do not even give it a thought, consider it outside of their sphere, their business, they have no time to trouble themselves about societies and conventions; what good will they do? Yes, this is just the question, they do not comprehend what good it will do. Their phlegmatic, indifferent nature holds them down, they cannot be roused to enthusiasm, to take an active part in the progress of beneficial events, although they are not averse to the fruitful outcome and take their share as a plum dropped in their lap by Dame Fortune. There is still one other element, actuated by jealousy and envy. They find for every achievement a selfish motive, find pleasure in belittling all and everything above their level and comprehension, and are ever on the alert to sow discord. But like the others they unblushingly take their share

of the fruit, though they tried their best to hinder its development. But such is human nature, and we have to contend with it. This is deplorable, but it will not cause the progressive element to lag in their work. The good accomplished is too great not to be felt and comprehended by the whole craft.

What good will it do? This is a great question, and we answer it best with another question: What good has it done? There, who will assert, that we stand on the same level of six years ago, when the first meeting of the Carnation Society was held at New York. Who will deny the evolution of carnation culture during these past six years? This society may pride itself as the prime factor in these achievements. What good will it do? What is it for? To promote carnation culture, to promulgate, to advance our business interests, and we surely can do this best by a friendly sociable intercourse. Sociability will loosen the tongue. One may not be able to take active part in the discussions and deliberations, but they will be nevertheless of great interest and benefit. Furthermore, one will find here and there a congenial brother florist, exchange ideas, experiments, make comparisons, learn from each other and promote business interest. Your presence alone will be a help, the universal strength of such a gathering is an inspiration to those who are able to define an idea and take part in these discussions for the benefit of all.

This is the spirit that should prevail, should move every florist who can afford to attend these conventions, for it is to the good of all and not only a few, as some are inclined to believe. If these supposed few just happen to be more up to the times, take better care of their business interests, why should they not do it, when they keep in the line of honorable competition? This is a race for the best, and the best will win.

Undoubtedly the carnation exhibition connected with the convention promises to be the best and largest ever held in this country, and this alone should secure a large attendance. We may rest assured that the New York members of the society will leave nothing undone to make this coming convention and exhibition the best we ever had, and that it will prove to every visitor a benefit and a pleasant remembrance for life. FRED DORNER.

#### American Carnation Society.

The fifth annual meeting of this society will be held at the Grand Central Palace, Lexington avenue and 43d street, New York, Thursday and Friday, February 20 and 21.

The program will include the following papers: The future of our floral societies, by Mr. C. W. Ward; The effects of hybridization on carnations, by Mr. Richard Bagg; Something new regarding rust, by Prof. F. C. Stewart; The use of commercial manures, by Mr. Elmer D. Smith. Considerable time will be devoted to the discussion of topics taken from the question box.

The exhibition will, as usual, be an important feature. Following are the rules and classes:

##### REGULATIONS GOVERNING CARNATION EXHIBITS.

FIRST—All entries not made according to schedule will be disqualified.

SECOND—All entries must be staged by 11 a. m. February 20.

THIRD—Exhibitors who are not members of the Society must pay an entrance fee of \$2 for exhibiting in any of the classes, and an additional fee of \$5 for each seedling competing for the certificate.

REGULATIONS GOVERNING THE COMPETITION OF SEEDLINGS FOR THE CERTIFICATE OF MERIT.

FIRST—The variety must have been bloomed three years.

SECOND—Not less than fifty blooms must be shown.

THIRD—At least one plant must accompany the exhibit; this plant to be taken from the bench or bed in which stock is growing, to show its habit, growth, etc.

FOURTH—Exhibitors entering new carnations for this certificate are required to pay an entrance fee of \$5 for each variety.

PREMIUMS.—VARIETIES THAT HAVE BEEN DISSEMINATED.

CLASS A.—Vases containing fifty blooms of one variety.

WHITE.

PINK (light).—Not to be darker than Scott.

PINK (dark).—Not to be lighter than Wave.

SCARLET.

CRIMSON.

VARIEGATED (yellow ground).

VARIEGATED (white ground). First premium, \$7; second, \$5.

CLASS B.—For vase containing twenty-five blooms each.

WHITE.—Lizzie McGowan, Uncle John, Mrs. Fisher, Bride of Erlescourt, Alaska, Storm King, Kohinoor, or any other white.

PINK (light).—Wm. Scott, Albertini, Daybreak, Sweetbrier, Rose Queen, Peachblow, Ada Byron, Nicholson, Bridesmaid, or any other light pink.

PINK (dark).—Tidal Wave, Thomas Cartledge, Ophelia, Mrs. Pitt, or any other dark pink.

SCARLET.—Portia, Stuart, Fred Dorner, Garfield, Corsair, Lizzie Gilbert, Emily Pierson, or any other scarlet.

CRIMSON.—Anna Webb, Ferdinand Mangold, Meteor, Iago, or any other crimson.

VARIEGATED (white ground).—Helen Keller, J. J. Harrison, E. A. Wood, Minnie Cook, Princess Bonnie, Daisy Bell, or any other variegated.

VARIEGATED (yellow ground).—Buttercup, Bouton d'Or, Goldfinch, Dean Hole, Kitty Clover, or any other yellow.

For each variety, first premium, \$5; second, \$2.

CLASS C.—For vases containing 100 blooms of each variety as designated in Class A, first premium, \$7; second, \$5.

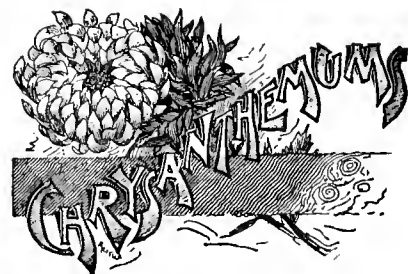
CLASS D.—Pot plants, the pots not to exceed seven inches in diameter and one plant in a pot; Best six plants of each color, as in Class A, first premium, \$7; second, \$5.

Twelve distinct varieties.—First premium, \$10; second, \$7.50.

Twenty-five distinct varieties.—First premium, \$20; second, \$15.

Honorable mention will be made of all new varieties of distinct merit, and a certificate will be awarded to the vase of carnations on exhibition showing the best culture.

All flowers and plants must have been grown by the exhibitor, and must be staged by 11 a. m. February 20. Packages should be addressed to C. H. Allen, Palm Garden, Grand Central Palace, Lexington avenue and 43d street, New York, charges prepaid.



#### Growing Chrysanthemums for Exhibition.

BY H. H. BECKER.

[Read before Phila. Florists' Club at its January meeting.]

Now that the exhibition is over and the chrysanthemum done for this season we must consult our list of the new varieties that were on exhibition, and add some of the best to our present collection for next year's growing; after settling that matter we mark them down in our stock book for future reference, set aside the quantity of stock plants required to grow the young plants for next season and give them a good place, where they can have plenty of light and sun.

About March commence filling the propagating bench with good cuttings; after they are sufficiently rooted pot them in 2-inch pots, and when ready shift into 3-inch. Pinch back when necessary, otherwise the plant will grow tall and weak. If grown in pots for cut bloom keep on shifting until they are in 6 or 7-inch pots, and grow to single stems, unless very strong plants, when two can



CHURCH DECORATION AT THE VON GONTARD-BUSCH WEDDING, ST. LOUIS ARRANGED BY THE  
RIESSEN FLORAL CO

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be grown with good results. When benches are used plant from 3-inch pots, late as August, of course the later planting will not have as long stems, but will give some very fine large flowers.

After the houses are planted and growing nicely look after the staking and tying, for if you want good straight stems this must not be neglected. After the plants show buds sufficiently large remove all but the one, also pinch out all the side shoots, for they will take the strength from the main bud. Good top dressing is beneficial to keep the soil from drying out through the warm summer months; liquid manure can be used to great advantage, giving it moderately at first, then increasing as the plants grow stronger and more able to take it; good judgment should be used in all cases. Continue this treatment until the buds are well advanced. Whenever the black aphid makes its appearance use tobacco water carefully, and whenever necessary until the buds are well developed, after that stems laid about the houses will be of great benefit.

As the cool nights approach it is best to have a little heat, especially in damp weather, even if the ventilators have to be kept open a little. Never let the houses get too cool, or subject the plants to cold draughts, as it is liable to check them. After the flowers commence to open be careful in syringing not to get them wet, as it is likely to spot them.

When you have selected the well-developed flowers that you expect to exhibit see that they are perfect, good long straight stems and clean full foliage. After cutting place them in water and store away in a cool cellar or good dry

ice box. When the cut blooms are packed see that your boxes are of sufficient length not to crowd the flowers, otherwise they may get bruised before arriving at the exhibition.

#### The Forcing of Bulbs.

BY E. W. GUY.

[Read before the St. Louis Florists' Club Jan. 9.]

When one reads the reports from different sections of the country of the failure to get Roman hyacinths, freesia, narcissus and Harrisii lilies to bloom, it shows the failure must come from some of the following causes: A poor selection of stock, ignorance of the nature and habits of the bulbs handled, or neglect. As to the first, a very careful selection of stock is necessary. The cheapest is not the best. As a general thing when you come to balance your books at the end of the season you find the best is the cheaper. Therefore I always try to have my stock come from a house known to be reliable.

Ignorance of the nature of the bulbs handled: Here is the greatest cause of all, I fancy, as so much depends on the treatment. We so often allow men and boys, who can scarcely tell a hyacinth from an onion, to box and pot off bulbs. Again, we so often hear the remark "Any kind of soil will grow bulbs." I beg to differ, and experience has taught me that a careful study in mixing the soil for bulbs, as well as quantity and quality, tell wonderfully in the results. I will take each mentioned above and in a few remarks as possible tell my way of treating them.

Neglect: This is the cause of an endless number of poor crops. The majority of florists try to do too many things at the same time, and so put off or leave undone

things that are of the utmost importance if we wish good success with bulbous stock. Of Roman hyacinths I always buy the 12 to 15 centimeters, having found them more profitable than the othersizes. When first received we unpacked them and put in trays, as very often you will find they sweat more or less. I then box them off in trays that hold from 50 to 60 bulbs, the size of trays 4 inches deep, 16 inches wide and 30 inches long. We use good loam mixed with well rotted cow manure. They are then set outside in a frame, covered with about two inches of old manure, and then given a good watering, and continue to water once a week until cold weather sets in. As it gets colder more covering is added. I think here is the reason of most of the bulbs coming poor; they get too dry or are covered too deep at first. It takes from ten days to three weeks to get them in bloom, after bringing them in the houses. The first boxes needed we generally give liquid manure for a few times.

Narcissus require almost the same treatment. They should never be allowed to get dry, and will need more water than the Roman hyacinths. I do not approve of covering the narcissus bulbs with boards after they are in the frames.

Freesia: This little bulb is to me almost as profitable as the hyacinth, and is very easily grown, using the same soil as the hyacinth, with the addition of sand. I put four in a 4 inch pot, then put them in a frame and cover lightly. This covering should be removed when they begin to come up. I leave my plants of freesia in the frames and cover with sash until the chrysanthemums are gone, then bring in and stake at once, as the stem



are not strong enough to stand the force of the hose. After they show buds I find a weak solution of manure water very beneficial. They require plenty of water at all times.

**Harrisii lilies:** Here is a bulb that has given us more trouble than any other class of bulbs. In these days of sharp competition the Bermuda growers have tried to see who could place their stock on the market first, and the consequence is we have had a lot of immature and unripe bulbs to contend with. Last year I think I lost about 20% of mine, and this year about half that amount. I use the 6 to 7 bulbs, and judge them to be the best when growing for the wholesale trade, as well as the retail. I have found that this lily does well in a stiff loam and sandy soil. Manure is not needed until you begin to give liquid manure. If enriched too soon the plant grows too large. I use 5 and 6-inch pots and also plant in solid beds. For the early ones I use 5-inch pots, as the sooner the pots fill with roots the sooner you can force them. The later ones that we wish for Easter we keep in a temperature of 50° to 56°. Give plenty of air whenever you can. It will take from six to seven weeks to get them in bloom after showing the buds, and the time lessens as the season advances.



#### Cypripedium Insigne and its Varieties.

At this season of the year this fine old and popular orchid is observed in every florist's window of prominence, its usefulness as a cut bloom and remarkable durability has won for it many a corner in a grower's house who never before could be encouraged to try an orchid. Its cultivation is easy, the plant increases in size every year, and when in bloom can be kept for several weeks in a fresh state.

During the past ten years large consignments have been imported from the tropics and proved entirely different from the old type. They have been widely distributed and the interest created has been considerable. The variation has been abundant, and forms of great value have flowered on both sides of the Atlantic. This type of *insigne* is known as the "montanum" variety and comes from various localities in Northern India, and although they suffer in transit, speedily establish themselves and give satisfactory results in a very short time and the patient care bestowed on them, in bringing them to a flowering condition is soon forgotten in the pleasure they give when fully developed.

During this period thousands have flowered and names galore have been attached, some of them are startling and distinct in form, but the gem of all is the lemon yellow spotless variety, *C. insigne Sanderæ*. This much cherished plant emanated from Sander's nursery in England and was divided into two, afterwards passing into two of England's most prominent collections, viz; Baron Schroder, Egham near Windsor, and Mr. R. H. Measures of Streatham. The latter one cultivated his plant for about two years and then divided it into four disposing of one to his brother, another to the late Mr. F. L. Ames of North Easton, Mass., the third he retained, the fourth was bought back by Mr. Sanders for

\$1250. The plants have been repeatedly divided since, but the variety, nevertheless, is extremely rare. The plant at North Easton under Mr. Robinson's care has grown into a vigorous specimen.

*C. insigne Sanderianum* is another yellow form absolutely devoid of spots but differs in color from the preceding; the dorsal sepal is short and broad and of great substance; it is a very rare plant, in fact more so than *C. insigne Sanderæ*. In the Kimball collection at Rochester, N. Y. a yellow variety flowered among the hundreds of plants grown there, Mr. George Savage detected a pale green stem among the characteristic brown color of the type; he closely watched its development, which eventually revealed a spotless form different from any that has hitherto flowered, the venation in the dorsal sepal being very prominent. It has been named *C. insigne Laura Kimball* in honor of Mrs. Kimball.

*C. insigne MacFarlanei* is a yellow variety in the way of *C. insigne Sanderæ*, very pretty and still very valuable. *C. insigne Amesianum*: The dorsal sepal of this variety is narrow with a dark solid coloring in the dorsal very exquisite and pretty. *C. insigne Gravesianum* flowered in Mr. Hy. Graves collection at Orange, New Jersey where hundreds of the type are grown, the dorsal sepal is spotless, and replaced by a strong bronzy suffusion and a clear white border. *C. insigne Ernestii* is a spotted very yellow variety and has flowered in several collections. A fine variety of it flowered at Chestnut Hill among Mr. E. Lonsdale's collection.

There are many more, all of which are beautiful but it is still difficult to obtain finer forms than such varieties as *C. i. Arnoldianum*, *C. i. Kimballianum*, *C. i. Wallacei*, *C. i. Dominii*, *C. i. albo marginatum*, *C. i. Eyermannianum* and the old *C. i. Chantini* or *C. i. punctatum violaceum* as it sometimes called. The best compost for this cypripede is a mixture of peat, loam and sphagnum moss, filling the pot half full of drainage; they enjoy a place in a frame outside in summer providing the exposure to the sun's rays is not too powerful. A. DIMMOCK.

#### Violets Damping.

To the several inquiries as to a remedy for the above trouble, I would say that we have found no way to avoid it that is as good as a coat of clean sand such as used for propagating benches. It is always at hand, perfectly odorless, dries off the same day that water is applied, and as a means to encourage the young runners to root when wanted for propagating purposes it is of great value if only for this alone.

Violets easily absorb any foreign odor and retain it to the last, but sand will, if placed half an inch thick all over the surface of the soil, have no injurious effect whatever, but will work the reverse way. When the blooms, as often happens, lay down on the soil they soon damp, but sand being dry they will keep until fully open and ready to pick. E. O. ORPET.

South Lancaster, Mass.

#### Aquatics in the Milwaukee Parks.

The accompanying engraving gives three views of the ponds of aquatics in the Milwaukee parks which have been constructed and planted by Superintendent J. A. Pettigrew since he took charge of the parks. The Milwaukee people are justly proud of the progress made in their parks since Mr. Pettigrew's advent. Very extensive improvements will be made the coming summer.

#### New York.

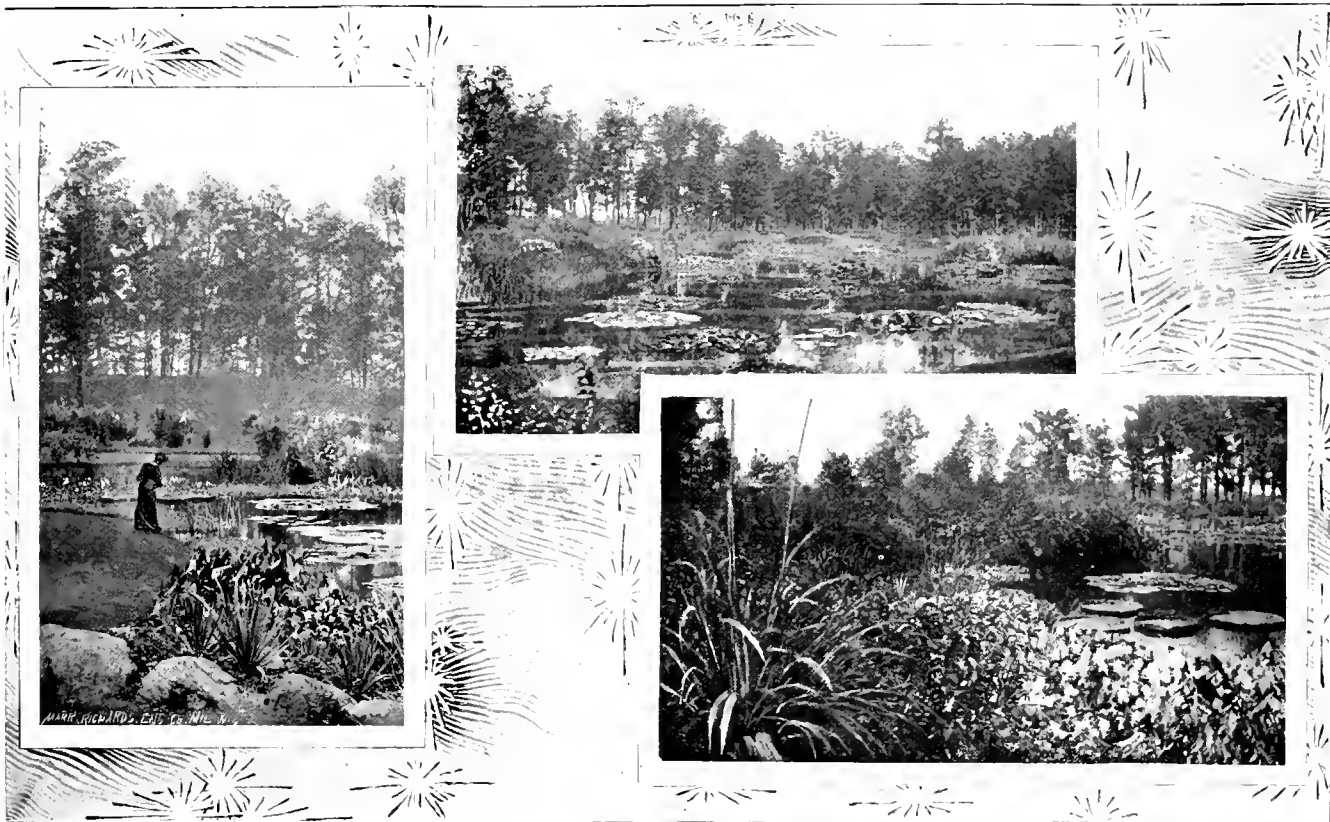
The Florists' Club met on Monday evening, January 13. After the introduction of the new officers for the year 1896, to which each responded with acknowledgement of the honor conferred and promises to be very good, president Allen delivering a short address giving his views as to what should be the club's policy in the future, there came to the front two questions which afforded abundant material for discussion and a rare opportunity for displays of eloquence on the part of those members possessed of special aptitude in this direction. One subject was the approaching meeting of the American Carnation Society. It was announced that arrangements had been made for accommodating the Carnation Society and its exhibition in the Palm Garden at the Grand Central Palace. After a full discussion the trustees of the club were authorized to arrange for the annual dinner to take place at the time of this meeting, and to invite the visiting members of the Carnation Society to attend as guests of the club, and the secretary was also instructed to extend an invitation to the different florist's clubs to be present.

The question which provoked the greatest amount of argument arose from the recent organization of the private gardeners in a body of their own. The fact that many of the gentlemen connected with this new society are members of the New York Florists' Club led to enquiry as to the reasons for their action, and it developed that a feeling exists among the gardeners that the club has not given due recognition to the interests which they represent, either in its meetings or its exhibitions, a claim which was promptly disavowed by gentlemen active in the club's past history. The result of the discussion was the presentation by Mr. O'Mara of a proposition to amend the constitution and change the title of the New York Florists' Club to that of the New York Florists' and Gardeners' Association, also the adoption of a resolution instructing the officers to investigate the reasons advanced for existence of the new society and to present to the club some scheme for action to make the club's scope broad enough for all classes of horticultural interests and to remove all causes for dissatisfaction, if possible, thus securing a consolidation of all the local organizations under the banner of the parent organization. The treasurer's report showed a gratifying financial condition and satisfactory increase in membership.

The cut flower trade is still rather dull for the season. Roses are of extra fine quality as sent in by many growers, and are not badly overstocked. Carnations, on the contrary are too plenty and prices have been badly demoralized on average stock when moved in quantity. Bulbous stock remains at a low ebb as to demand. Lily of the valley is the only exception, being in rather short supply. Tulips are greatly improved in quality but sell slowly notwithstanding. Among the pretty novelties occasionally seen are blooms of *aponogeton* sent in by J. N. May. They ride in the same boat as the orchids, with which they combine prettily.

Spaulding, Jennings & Co. have failed and as a result Thos. H. Spaulding goes also. Mr. Spaulding was largely represented in the J. T. Lovett Co. of Little Silver, N. J. It is reported that the latter corporation is seeking settlement with creditors on a basis of 20%.

J. H. Troy will associate himself in the business of Cottonett, Tiffany & Co. of



AQUATICS IN THE MILWAUKEE PARKS.

"The Rosary," on Fifth avenue. A large retail establishment is said to be among the plans of the new firm.

H. W. Baylis, wholesale florist, has decided to go out of business, and a meeting of his creditors was called for Wednesday, January 15. The basis of settlement is not yet known.

A woman described as "small of dark complexion and Jewish cast of features," has been buying flowers on credit at several places, representing falsely that they were for the account of Mr. Keller of the firm of Reed & Keller.

Van Bangert's greenhouses at Jersey City were damaged by fire on the evening of January 5. Cause, overheated pipe.

Carl Jurgens and family of Newport passed through New York on the way to Bermuda, where they will spend a brief winter vacation.

Visitors in town; Rob't. Kift, Philadelphia, N. F. McCarthy, Boston, J. N. Champion, New Haven and D. B. Long, Buffalo.

#### Boston.

The weather has been inclement during the past week and its effect has been seen in the poor quality and reduced quantity of roses coming in to the market. Much of the stock received has been of the poorest character, pink roses being especially off color. American Beauty is the worst behaved of any and proves to be more and more of a puzzler for the local growers. Of carnations there is an abundance. With longer days and sunnier weather will come the hardest test the carnation has had to bear since attaining its present prominence. There is every prospect of an avalanche that will tax existing outlets to the utmost. Violets of good quality are in rather short supply and are sold readily.

The first exhibition of the year was held at Horticultural Hall on Saturday, January 11. Wm. Thatcher, gardener to John L. Gardner, and D. F. Roy, gardener to E. T. Converse, staged some superb Chinese primroses. W. N. Craig showed a vase of freesias and one of assorted carnations. Edith Foster, a seedling white carnation from Peter Fisher, and White Queen, another seedling from Wm. Nicholson, were favorably commented upon by the carnation fanciers present. White Queen is too full and heavy a flower for the strength of stem. David Nevin's violets and James Comley's camellias were good as usual. The display of forced vegetables was very fine, especially the tomatoes, which were shown by several exhibitors. Mushrooms were excellent also.

It is expected that Boston will be represented by a good sized delegation to the Carnation Society's meeting at New York next month. Quite a number of the carnation growers and others have expressed their intention of going. The party will probably go via Fall River Line on the night of February 19.

Lawrence Cotter has sold out his retail flower store at 71 Beacon street to C. N. Whitten and thus becomes once more a simon pure grower.

Visitors in town: E. O. Orpet and Jos. Clark, Jr., of Lancaster, Mass.; Geo. Purdue, Orange, N. J.

#### Philadelphia.

There is little to be proud of in the volume of trade last week in this city. Business was bad, very bad; it was worse than Lent. It was fortunate that the crops were short, or there would have been a great slaughter of prices; as it was, while quoted prices did not change much for small lots, any large quantities could

be bought at very greatly reduced rates. The quality of the stock is all that can be desired, and if the demand would only increase everybody would be happy, particularly the bulbous stock men, as they find it almost impossible to dispose of their Romans particularly, it being hard work to get even the bulb money back. New valley has commenced to come in; it looks very pale, and there are few leaves, but it will be all right in a week or two. Tulips are also making their appearance, but are very poor. Violets have commenced to sell again; for a while there seemed to be no sale at all, and many went to waste.

Very well flowered azaleas enliven the florists' windows. They are from W. K. Harris and J. Becker.

John Westcott can be depended on at this time for camellias, and has some very nice flowers, also daphne, another old favorite.

Robert Craig is very proud of his house of Mrs. J. Pierpont Morgan; it is exceeding his expectations and is proving to be the most prolific rose he has ever grown; in fact it sets so many buds that numbers of them are removed to throw strength into the strong shoots and get larger flowers. One great advantage is that every rose has a strong stout stem; even the smallest side shoots keep their flowers erect.

Prices of roses are, for Beauties \$3 to \$5 per dozen, a few extras being \$6; Brunners \$3 to \$5, large teas 8 to 10, smaller kinds 6 to 8, Morgans 10 to 12, carnations 1 to 2, valley 4 to 6, violets 75 cents to 1.50, mignonette 2 to 3, freesia 1 to 2, Harrisii 8 to 12, smilax 15 to 20, maidenhair 1.

One of the large Beauty growers in speaking of the "scalded" flowers said it was caused by the sun shining on wet flowers near the glass. After syringing

his Beauties he always had a man follow and shake all the water from the flowers so as to present them being injured in this way.

The Florists' Gun Club had a return shoot with the Hillside, who defeated them by eleven points, the total score being, Hillside 185, Florists 174. The individual scores are as follows:

FLORISTS.		HILLSIDE.	
Geo. Anderson . . .	24.1	J. D. Carlisle . . .	23.02
John Burton . . .	20.5	J. Haywood . . .	20.05
Geo. Craig . . .	20.5	W. Aimen . . .	20.05
J. W. Colflesh . . .	19.6	J. Fertsch . . .	20.05
C. D. Ball . . .	19.6	M. Bisbing . . .	19.06
E. Reid . . .	16.9	J. Paterson . . .	18.07
W. Craig . . .	15.10	A. Coie . . .	17.08
W. K. Harris . . .	12.13	A. Reinhard . . .	14.11
L. Ball . . .	12.13	W. H. Lysinger . . .	12.13
W. H. Taplin . . .	11.14	R. Bisbing . . .	11.14
Wm. Smith . . .	6.19	J. Unruh . . .	11.14
	194.126		185.115
			K.

#### Chicago.

At the annual meeting of the Horticultural Society of Chicago held last Saturday 47 new members were elected, several changes were made in the by-laws, and officers for 1896 were elected as follows: Wm. H. Chadwick, president; E. G. Uihlein, 1st vice-president; E. A. Kimball, 2nd vice-president; E. Wienhoeber, 3d vice-president; W. C. Egan, secretary; W. N. Rudd, treasurer and assistant secretary. The three vacancies in the executive committee were filled by the re-election of Messrs. W. N. Rudd and Geo. Gardner and the election of P. J. Hauswirth. The usual authority was given the executive committee to hold an exhibition the current year.

President Chadwick made several excellent suggestions in his annual address, which will be acted upon at the next meeting. The reports of Secretary Egan and Treasurer Rudd showed that the last exhibition was not a success financially, but there seemed no diminution in the enthusiasm of the members, all anticipating better weather next time.

The carnation meeting of the Florist Club promises to be quite an event. Several carnation growers from a distance have signified their intention of being present, and the exhibition will include all the best new varieties. The club has decided to invite all members of the trade, whether members of the club or not, to see the exhibit, which will be in Equity Hall, Masonic Temple, the evening of Thursday, January 23. Come and see the display and improve the opportunity to join the club if you are not already a member.

Messrs. Myers & Samtman of Philadelphia will exhibit their new varieties Della Fox and Annie H. Lonsdale at the carnation meeting of the Florist Club January 23.

John P. Tonner has started in as a commission dealer at 66 Wabash avenue.

A thief entered the store of W. W. Wells on North Clark street January 12 and pointing a revolver at Mrs. Wells' head robbed the cash drawer of \$5. This was done in broad daylight and would indicate that the refining influence of flowers has not yet exerted itself fully in this city.

While city trade is still quiet a great deal of shipping is done. At no time this week has there been a marked glut in any line, and good stock is at times scarce, in consequence of cold and dull weather. The city retailers have few large decorations, so that the outside business is largely responsible for keeping flowers moving.

In roses there are enough for the demand in most varieties, though at times a scarcity of Perles is noticed. This rose

is not so largely grown as formerly, and does not receive as much attention as it might, though there is an even demand for it, especially in the shipping trade. Mrs. Morgan is much improved and is received very favorably. Belle Siebrecht is limited in quantity, but better in quality, though the stems have not yet acquired the desired stiffness. Mrs. Whitney is fine as to bloom, but some weakness of stem is noticed. Meteor is still in first rank; the Wootton is disappearing from our market. Bulb stock is moving rather better than it did. Scarcity of violets still continues.

Mr. J. G. Cheever of North Attleboro, Mass., was a recent visitor.

The annual report of the West Park Board shows that the sum of \$5,337.402.99 has been expended upon the west side parks since the creation of the west park system in 1869.

Mr. E. A. Wood and wife passed through Chicago last Wednesday on their way to his old home at West Newton, Mass., where they will remain, Mr. Wood having given up his position in Denver.

Mr. C. Lengelfelder has taken a 3-year lease of the Albert Harms place at Bordeaux and Western avenues and will continue the business. There are six greenhouses, each 18x100. He will grow a general line of plants and flowers for the wholesale trade.

#### St. Louis.

The meeting of the Florists' Club occurred Thursday afternoon, January 9, being the first meeting of the year. The essays and scholarship to the Missouri Botanic Garden brought out a large attendance. Dr. Halsted of the St. Clair Floral Co. and E. W. Guy, both of Belleville, Ill., showed some very fine carnations which were much admired. The exhibition committee made a report, and they expect to have the preliminary list out by March 1 for distribution.

Next in order was the balloting on the candidates for scholarship to the Botanic Garden; the two candidates were Walter Retzer and Monro Metetio. The balloting was very close and Mr. Retzer won by one vote. Mr. E. W. Guy then read his essay "The forcing of bulbs."

Mr. Harry Young could not be present to read his essay but will do so at our next meeting, February 13.

Trade in St. Louis the past week was a little better than last, yet nothing what it should be. Some of the stores are beginning to cut the prices already. They sell carnations at 35 cents per dozen or three dozen for \$1; roses 50 cents per dozen; this is not first-class stock, but the people will buy them just because they are cheap. We have plenty of stock in town just now, yet some of the prices are still high at the commission houses. Bulb stock is selling better than ever before. Violets are going slow. In carnations there is a glut just now; the best sell for \$3 and others bring \$1.50. Roses range all the way from \$4 to \$10. The demand for Beauties continues good, but good stock is very scarce. Freesia is now coming in and bring \$3.

Max Herzog is hard at work on rebuilding, and expects to be in good shape in about three weeks. Mr. Herzog lost everything he had, and a few florists have sent him some cuttings and a few plants they had to spare.

The North Floral Co. report that they furnished 1,000 roses last week to Mr. Corwin H. Spencer, the successful candidate for president of the Merchant's Exchange. North has also been very busy with funeral work last week.

There's a new "Kuehn" in town, it's a boy, and Charlie is the happiest man in town just now. Congratulations are now in order.

The St. Louis Florists' Gun Club have their shoot every Sunday morning out at Tesson's, and some very good scores are made. Mr. Harry Young, the secretary of the club, is now in the lead for the medal.

The Florist's Bowling Club rolled Monday night, ten members rolling. The best scores were made by C. Beyer, he making 707 in three games, and his high score being 289. J. J. Beneke's high score was 232, with C. A. Kuehn third, 252, C. C. Sanders fourth with 219. The Japs won the three games by a score of 2770 to 2332. The Japs also won the box of cigars, a prize donated by a well known gentleman. J. J. B.

#### Toronto.

Mr. Harry Dale of Brampton reports that trade after New Year's day was very dull, lately, however, there has been a decided improvement and now all good stock is selling freely. Prices are down 30% to 40% from holiday quotations. Roses and carnations have improved wonderfully in quality owing to a few days' sunshine, and although there were only three or four days of it during the past two weeks it has done a great deal towards getting up the color and firmness of stock. Violets, which were somewhat in overstock at New Years, are now in good demand; 18 degrees below zero at Brampton kept the fireman pretty busy.

Trade in town suffered from the effects of the weather during the first part of the week, though a few dinner parties just kept it going. On Friday the annual ball of the Royal Canadian Yacht Club took place in the Horticultural Pavilion and was as usual a grand affair, there was a large demand for roses, mostly pink and white, on account of it. Dunlop reports that flowers are more generally worn to affairs of this kind this season than was the case last year. Two or three debutantes at this ball carried large bunches of white roses. Very few made-up bouquets are used, generally the bunches are only just caught together. There was one good wedding during the week—Mr. Yates to Miss Bunting—bride's bouquet of valley and violets, bridesmaid's roses and mignonette; little maids of honor carried hyacinths and mignonette. The house decorations were of palms and Harrisii simply arranged.

Tidy reports business rather dull last week, but picking up now. Very good valley is coming in now, and other flowers much better than they have been. Mr. Tidy did some of the decorations at the Yacht Club ball the other night.

At last (again, I should say,) we have a Horticultural Society in this city. The organizing meeting took place at the City Hall on the 8th inst. There were sixty present, including many not in the trade but who are interested in the formation of this society. Everything went without a hitch and the following were elected to office, viz.: John Chambers, president; Hermann Simmers, vice-president; A. H. Ewing, second vice-president, and Messrs. J. H. Dunlop, G. Vair, C. Tidy, G. Reeves, J. G. Manton, Alderman J. Hallam, Alderman J. Leslie, D. Orr and Capt. W. F. McMaster as directors. After the general meeting there was a meeting of the directors, when a sub-committee was appointed to draft by-laws, etc. Another meeting will be called shortly to arrange



CUPID SWEET PEA.

for lectures during the year, place of meeting and other preliminaries.

The Electoral District Agricultural Society will hold their annual meeting on the 15th inst. This society formerly held a July flower show, but now there is a Horticultural Society it is probable that there will not be so much interest taken in its meetings as of yore, though there is a possibility that the government grant may still be devoted to horticultural purposes.

Mr. George Reeves, Jr., who has been carrying on a general florist's business on Rosehill avenue, has sold out to two gentlemen (whose names I have not yet learned) who will put up as soon as possible about 4,000 feet more of glass on the place. As far as I can learn they intend making a specialty of vegetables under glass. Mr. Reeves talks of taking a trip southwards through the States, calling on many of the large florists' establishments. E.

#### Pittsburg.

The regular meeting of the Florists' Club was held on Tuesday night, 14th inst., at Hotel Schlosser. It being nomination night for officers for ensuing year considerable interest was displayed, although a larger attendance would have proved more desirable. Mr. Bennett was re-nominated for president, as also John Bader for treasurer and E. C. Reinman for vice-president, all without opposition; Mr. Oesterle having declined a re-nomination as secretary, two others and for the executive committee of three seven were put in nomination. The election will be held on next meeting night, the 28th inst., when also reports as to the condition of the club will be in order. Unofficially the members are informed the club is on "Easy street" this year.

Mr. W. F. Lauch exhibited a very fine specimen of a pink Chinese primrose, grown in a 5-inch pot; the foliage was excellent and with fine large blooms, the individual flowers being very large, and more coming on showed the successful grower. By a unanimous vote it was, after the meeting, presented to mine host Schlosser, who is, as well he may be, very proud of it.

Mr. A. W. Smith of Mt. Washington has had some very fine specimens of young rubber plants this winter; the demand for them has been so good that his stock is very much reduced, but he will have some as good for the spring trade. He also reports that his other trade in flowers, etc. is generally good.

Mr. James Semple has been offering some fine specimens of cactus grating,

and which attracted a great deal of attention—*Epiphyllum truncatum* and *Cereus flagelliformis* grafted on a *Cereus grandiflorus* stock. The epiphyllums were in bloom and two to four grafts on each; they furnished very showy and odd looking plants.

Some of our home growers are complaining of the dark days affecting the blooming of their plants, but elsewhere sunshine must have been "on tap" as it were, for flowers are being offered freely and are good. Carnations of fine quality could be had for \$1.50 per 100, a price that ought to be satisfactory to the purchaser if not to the grower, but these were not home grown.

Mr. Julius Ludwig is out again after several days' confinement to the house, although still on the doctor's list and his voice is as if there were several "frogs in his throat."

Mr. Ed. Thiel, who was so badly injured on the railroad last fall, is mending, but is still at the hospital, but is able to take a hand at a social game of euchre at times and hopes to soon be out once more.

Pittsburg, January 16: A. W. Bennett, superintendent of Schenley Park and president of the Pittsburg and Allegheny Florists' Club died at midnight. REGIA.

#### Cupid Sweet Pea.

This sterling novelty promises to be very useful as a pot plant as the accompanying engraving will show. Its dwarf habit and freedom of bloom ought to make it a good seller.

#### Washington.

New Years trade was excellent, at least one-half more than former years. Stock fine, and all varieties were in demand, everything good being disposed of except violets. Of those there was an overstock, the growers holding them back for Christmas, thinking to get higher prices, but failing in this rather than to lose them altogether flooded the market. Owing to the fine weather of December roses and carnations were in fine condition; there seemed to be an extra demand for both. Prices were about the same as Christmas. The florists never anticipate as good sales of cut flowers for New Years as for Christmas, but this season was an exception. There has been a wonderful falling off in transient trade the past ten days, owing no doubt to the sudden change in the weather. Since January 1 the weather has been against the growers, with a few exceptions the days have been damp,

cloudy and cold, making a scarcity of home grown flowers. They are all longing for a few bright sunny days. The majority of them have fine blooming stock, only requiring the sun to produce bloom.

Gude Bros.' roses are as fine as I have ever seen, and have been yielding excellent blooms. They are cutting as fine Fisher, Buttercup, Scott and Daybreak carnations as were ever produced in this section.

There has been a number of social events since January 1, both large and small, all adding something to the profit side of the florist's ledger, and there are a good many more yet to come. REYNOLDS.

#### Cincinnati.

The annual meeting and election of officers of the Cincinnati Florists' Society was held January 11. The election resulted as follows: E. G. Gillett, president; Theo. Bock, vice-president; Wm. Murphy, secretary; Ben George, treasurer; Fred Walz, director for the ensuing year.

There was an exhibit of plants and flowers and certificates were awarded to H. L. Sunderbruch for ferns, violets, roses and carnations, to Magrie & George for valley and Romans, to Fred Walz for seedling carnations, to Phil T. Bopp for primroses, to Wm. Murphy for carnations, to Cambridge Tile and Flower Pot Mfg. Co. for flower pots.

There has been a good attendance at the meetings during the past year and the members take a lively interest in the exhibits. These displays are free to the public.

Business has been very dull the past week and the outlook for next week is not very bright.

Quite a quantity of flowers was shipped from this city to Columbus to be used at Governor's inauguration. They were mostly carnations for button hole flowers.

W. & C. Pfeiffer are building two rose houses, glazing with 16x24 double strength glass.

John Conger lost a house of carnations during the last blizzard.

WM. MURPHY.

#### Louisville, Ky.

The second annual banquet of the Kentucky Society of Florists took place January 7 and the members had a most enjoyable time.

Before the banquet began the regular monthly meeting of the society was held and the newly elected officers were installed. These officers were: J. E. Marrett, president; Jacob Schultz, vice-president; S. J. Thompson, secretary; J. M. Thompson, treasurer. Mr. Henry Nanz, the retiring secretary read his annual report, showing that the society had, in good standing, thirty-five active and thirty-two associate members.

The hall was handsomely decorated and plates were laid for 75.

President J. E. Marrett opened the banquet with a few felicitous remarks in which he congratulated the society on its progress and spoke words of hearty welcome to the assembled guests.

Short and appropriate speeches were made by Mr. Zich Phelps, Mr. Robert Kinkead, Mr. Henry Lichtenfelt, Mr. Joseph Coenan, Mr. Henry Nanz, Mr. Charles Raynor, Mr. Boyd Wilson and others. Mr. E. G. Reimers acted as master of ceremonies. He called on everybody in the hall for a speech, and the responses were very general. Almost every one had something to say, and said it well.



After the speech-making was over songs were sung and stories told until after the hour of midnight. Mr. Zach Phelps, Park Commissioner Kinkadee, George Newman, President Marrett, J. M. McCulley, Henry Nanz and others related comical stories, which brought down the house. After the flow of wit and humor had subsided, all joined in singing such popular melodies as "Old Kentucky Home" and "Auld Lang Syne."

#### Rochester, N. Y.

The New Years trade in this city did not come up to former years; the sales on any ordinary good Saturday will compare favorably with those at this holiday. Extensive preparations had been made by a number of retailers for a lively demand, but owing to unfavorable weather and the decline in demand on this day, they had loads of unsold flowers on hand after the first. Had December 31 been a fine mild day perhaps this report would read differently; as it was we had a very severe wind storm, with snow flying all day and slippery walks, so that many of the regular customers would not venture out on the streets. On the morning of January 1 the weather had improved considerably, and a good part of the stock on hand from the day before was disposed of, the demand for cut flowers being very brisk up to one or two o'clock, at which time all the larger stores were closed up for the day. A goodly number of table and hall decorations were called for on New Years eve, and though the temperature was low, so that some difficulty was experienced in the transportation of large plants, all were glad of the opportunity to improve the rather meagre state of the cash drawer by renting out decorative plants of every description. Since the 1st a few more or less elaborate wedding decorations occurred, where smilax and asparagus in conjunction with roses and carnations were used largely. One of them called for several wagonloads of extra sized palms, and as we had then extremely cold weather it was no small task for the florist to safely transport the plants both ways.

At the time of writing we are experiencing the coldest spell we have had in years, the mercury registering 15° below zero, but as an ice crust is protecting all the greenhouses and every lap and crack in the glass is filled and closed with ice, no damage is done yet to the plants nor will be as long as a good fire can be kept up. I fear the immediate result will be a scarcity of flowers, especially roses and carnations, which will not open out readily in houses darkened for a number of days by this covering office.

The new crop of valley has made an appearance since January 1, and so far they are of excellent quality, being stout and long in the stem with the bells of extra good size. Good carnations are scarce in this market at present, as also are good roses of every description. Violets are in sufficient quantities. The California is gaining in favor and also in size; it sells well at same price as Marie Louise. Romans are also plenty, and a few early tulips of good quality are in; another week or two will bring out bulbous stock in variety and in large quantities, judging by the preparations made by the local growers.

The brisk demand in the cut flower trade continues. The dull and extremely cold weather is unfavorable to the production of good roses, which are very scarce, coming in only in small quantities and mostly rather poor in quality. In

carnations also the supply is not equal the demand, and most of the stock offered is of second or third quality; really good bloom comes at present only from Salmon's here in town, whose carnations are exceptionally fine in size and color. If bulbous stuff was not available at present our retailers would not be able to make much of a display in their show windows. Romans and paper whites are rather plentiful, but are readily disposed of in some way, tulips also are seen in nearly all the stores, and the finest valley is to be had in quantity, nearly all being home grown. Violets are good in this dull weather and sell at fair prices. Adiantum fronds are getting scarcer and smaller, good smilax also is on the decline. Some few extra large funeral designs were called for lately, and a large amount of flowers was used in getting them out; among these was a floral blanket, to be placed over the casket. It was 5 feet long and 3 feet wide, the whole being composed of roses with long stems and lily of the valley with asparagus and adiantum for green. This piece was particularly admired by all who had occasion to see it. It was well made and looked light and natural, the broad bordering all around presented the appearance of delicate lace work in a set pattern.

At our parks no particular work is going on at present, except that the park commissioners are trying in every possible way to obtain additional funds from the city for buying more lands adjoining the different parks, but as yet their efforts have not been crowned with success, still there are hopes. Some of this land is actually necessary, and must be bought in order to gain an easy access to the parks from the principal thoroughfares; other parcels are wanted to broaden out some narrow strips of land now within the parks. In Seneca Park along the lower river banks a part of the desired land has been secured, but more is wanted, and in South Park also only a small portion has been acquired, while the much needed extension of Highland Park, the smallest of the three and at the same time the prettiest, has been left out entirely.

Although it is always possible it seldom happens that a man makes an assignment when he has more than enough to pay all his debts, and the clause in the regulation assignment requiring the assignee to pay back any balance there may be to the assignor is usually entirely superfluous. Mr. J. D. C. Rumsey, assignee of J. F. Norris, nurseryman at West Brighton, a suburb of Rochester, who failed about a year ago, has filed his final report and account with the county clerk, showing that he conducted the business of the assignor for a year, fulfilled all his contracts, realized on all his stock, and as a consequence his receipts in full were \$6,322.23, his expense \$2,253.69, payments of debts \$1,402.82, leaving a balance of \$2,665.72, and the claims remaining unsettled only \$1,462.53. Out of the remaining \$1,200 the assignee's commissions will have to be paid and a small sum will be left after all is done to go back to the assignor. J. B. K.

#### Cleveland.

There is little to be said concerning New Years business. It was on the whole probably neither better nor worse than in other years. About everything that was offered was sold, but after a heavy Christmas trade there was but little left for a holiday that has fallen into a condition of innocuous desuetude. The cold

weather that has since prevailed has shortened the supply of stock to the point where but little has gone to waste. Certainly there have been little thanks due to good business for the short supply of flowers. A few Dutch bulbs are now in, but they cut no figure, the hyacinths being nearly all blue and the tulips short of stem, with flowers of little substance and poor form. People look at them and instead of giving the grower credit for his enterprise, make a mental note of the quality and buy something else.

At a regular meeting of the Florists' Club, in addition to the routine business transacted, the members were favored with a paper by Mr. C. J. Paddock, on chrysanthemum culture. The next regular meeting, January 28, will be in the form of a smoker, cigars, music, a flow of wit and wisdom and a general and informal good time. If you can't afford stogies bring your pipe. A.

#### Poughkeepsie, N. Y.

The first annual meeting of the Dutchess Country Horticultural society, was held at Poughkeepsie, Wednesday, January 8, 1896. The officers were all re-elected as follows: President, James Blair, Staatsburgh; vice-president, M. J. Lynch, Poughkeepsie; treasurer, James Sloan, Poughkeepsie; secretary, Wallace G. Gomersall, Fishkill-on-Hudson; assistant secretary, William Saltford, Poughkeepsie.

The secretary's report showed the society to be in a flourishing condition. Although only one year old, the society has 59 members and its finances are in a good condition. The chrysanthemum exhibition held last November in Poughkeepsie was a great success and will be repeated next November. Already several valuable prizes have been offered by gentlemen of Dutchess County to be competed for at the next exhibition. The report showed that at the last exhibition there were 167 exhibits for competition, of which 74 money prizes were awarded and 23 certificates of merit. \$373 was paid in premiums.

At the close of the meeting the members and friends sat down to a banquet.

Among those present were P. O'Mara, New York, and Mr. Chas. Withers, N. Y. A very enjoyable evening was spent, and many encouraging speeches made. Mr. O'Mara was toast master.

WALLACE G. GOMERSALL, Sec'y.

#### Omaha, Neb.

The holly and bouquet green business will soon be out of the hands of florists entirely, as most of the grocers handle it at a very small margin and the commission men sell to anyone that may come to them for it. This branch of the business rightfully belongs to the florist but as it is being carried on they will soon discard it.

At the annual social of the senior class of the Omaha High School the corridors were decorated with palms, ferns, garlands and wild smilax.

At a recent poultry show in Council Bluffs, J. F. Wilcox and J. R. McPherson, each put in a fine decoration. Each had a window about 10x18 feet at his disposal.

J. F. Wilcox had a large horn of plenty, the outside being made of white and yellow mums, and the opening was filled with mixed cut flowers and extending several feet around the mouth making a very pleasing effect. Potted plants, palms and ferns, were also used in abundance. A vase of a half dozen blooms each of the

different flowers grown by Mr. Wilcox was also noticeable.

J. R. McPherson had a large rooster made of white mums and pampas grass with a solid bank of palms, ferns and blooming plants completely filling the window. Mr. McPherson also presented each lady in attendance with a rose bud or a carnation. There was a small premium offered for the best floral display, which was won by Mr. Wilcox, but it was not to be compared with the cost of the work to the exhibitors.

The weather is fine and the quality of stock is improving. G. R. H.

#### Grand Rapids, Mich.

The Florists' Club held its first annual meeting at its rooms January 7. There was a full and very much alive attendance. James Hancock of Grand Haven, a valued member of the club, was present with his superb carnations, among which was seedling Ivory, worthy of special mention. A vote of thanks was tendered George F. Crabb for the very able manner in which he conducted the recent chrysanthemum show. The subject for discussion was "Fertilizers," on the quality of which all else depends. Keep your best eye upon it.

The following officers were elected: President, Henry Smith; vice-president, Wm. Cunningham; secretary, N. B. Stover; treasurer, James Scholz; press reporter, Mrs. Evelyn Arnold; custodian, Henry VanHelden; executive committee, Geo. F. Crabb, Wm. Cunningham, N. B. Stover; reception committee, J. A. Creelman, Wencel Curkurski, Mrs. E. Arnold. The banquet will be held at the next meeting, January 21, to which all the members are invited, with the privilege of inviting any whom they are willing to entertain. EVELYN A.

#### Worcester, Mass.

No one ought to complain of poor business this season, for since the holidays trade has been very steady, and though no extraordinary orders have come in it's the steady every-day-in-the-week trade that counts. Flowers generally are of a better grade than the writer has ever seen in this vicinity before this winter, and the prices obtained show very decidedly that the people are willing to pay for a good thing. The demand for carnations is unprecedented and the prices that good blooms bring, viz., fifty, sixty and seventy-five cents and one dollar per dozen, will give an idea of the quality. Roses are splendid and selling well, violets also are fine and are bringing two to three. Harrisii and bulbous stuff are coming in more plentifully. Von Sions are poor this year so far, as many of the bulbs were found to contain a fat white grub that had eaten into the center of the bulb, and unfortunately were not discovered until nearly through potting. Valley is improving every day, and Freesia refracta alba is just coming into bloom.

A. H. L.

#### Baltimore.

The weather continues seasonable, that is, eight or ten degrees above freezing in day time, and as much below at night. To be sure, an occasional touch of a western blizzard carries the temperature much below that, but on an average that will come close to it. Complaints of a falling off in sales are general among retailers, but weddings and balls help to keep

things, i. e., cut flowers, moving. Prices continue much the same and the supply seems fairly adequate.

The smoker at the last club meeting was a decided success, and Mr. C. M. Wagner is to be congratulated on having managed it so well. Mr. Pennock gave an interesting talk on carnations, and the music, refreshments and cigars were all enjoyed to the utmost. MACK.

#### Quebec, Canada.

Owing to the death of Col. Rhodes his business has been sold out to the Sillery Nurseries, R. Campbell, manager. Mr. Jos. F. Monaghan, late with Col. Rhodes, has started in business at the St. Louis toll gate, with 2,000 feet of glass.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

**SITUATION WANTED**—By a first-class all round man; a good grower, propagator, designer, etc. State wages. R. G. care American Florist Chicago.

**SITUATION WANTED**—By experienced grower of cut flowers and plants as working foreman or manager. For full particulars and references address HANSEN, Red Bank, N. J.

**SITUATION WANTED**—By young man of 24, in a rose growing establishment; had long experience and can furnish New York reference. Address C. J. P. Swampscott, Mass.

**SITUATION WANTED**—By young lady in retail flower store; 5 years' experience; at present place has entire charge of a store. Best of references. F. E. care American Florist.

**SITUATION WANTED**—By a first-class man as foreman or second man, in a large place where attention to business is appreciation. Address BUSINESS, care American Florist.

**SITUATION WANTED**—By thoroughly competent floral designer and decorator in store. Many years' experience. Some knowledge of seed trade. FLORIST, 21 Riverside Ave., Cleveland, O.

**SITUATION WANTED**—By first-class florist and gardener, young married Swiss, to take charge of gentleman's place with greenhouses. Best of references. Address C. G. care American Florist.

**SITUATION WANTED**—February, by experienced, single gardener; 3 years in England. Used to general greenhouse work. Private place preferred. Best references from present place. GARDENER, care H. Wiber, 748 11th St., Milwaukee, Wis.

**SITUATION WANTED**—As assistant or foreman on commercial or private place, by a good grower of roses, carnations, violets, and general stock. German; 8 years' experience; quick worker; good propagator. Address RELIABLE, care American Florist.

**SITUATION WANTED**—By energetic young man with 4 years' experience in greenhouses and store; good faithful worker; capable of taking charge of either or both; willing, and able to earn good salary; wishes position where hard work and strict attention to business will be appreciated. Tasteful designer and decorator. Good grower and salesman. Married, no family. Will come recommended by present and former employers. Address with particulars A. B. C. care American Florist, Chicago.

**WANTED**—A good rose grower and general man. Married preferred. State references and wages. Address CHAS. KOEPPEN, Sedalia, Mo.

**WANTED**—Good man to take charge of section of houses. Good wages to right man. WIETOR BROS., Highridge, Ill.

**WANTED**—Let us grow your carnation plants at one cent each; we want 100,000 to grow. Address MORRIS FLORAL CO., Morris, Ill.

**WANTED**—Competent nurseryman; experienced propagator and grower of ornamental trees and shrubs and hardy perennials. Give references. SWAIN NELSON & SONS, 145 Hartford Bldg, Chicago.

**WANTED**—A young man capable of taking charge of large place, holding similar position at present time, would like to rent established greenhouses or buy interest in business or will accept position as manager. Address BUSINESS, care American Florist, Chicago.

**WANTED**—An energetic young man of unquestionable ability as a grower, wishes to buy or rent established greenhouses in good working order; or would enter into partnership present owner. Address with particulars, ROSE GROWER, care American Florist, Chicago.

**WANTED**—A No. 1 rose grower, as manager of large commercial place. Good position; liberal salary. Married man preferred. Only those able to grow roses, pinks, violets, etc., in first-class shape need apply, with references and fullest particulars to PHILADELPHIA, care American Florist.

**WANTED**—On gentleman's place, gardener for greenhouse work and vegetable garden. Must have experience and good references. No man need apply who cannot show long service, in at least one place. \$40.00 monthly; good house, firewood, and all vegetables needed. Good school, and near depot. B. J. FISHER, Ashboro, Randolph Co., N. C.

**FOR SALE**—Five greenhouses, located in the healthiest climate of the west. For particulars, address Box 562, Canon City, Colo.

**FOR SALE**—A finely established retail florist's business—stock and fixtures, including a fine lot of palms. Cheap rent; good location. Apply 172 So. Western Ave., Chicago.

**FOR SALE**—Florist's business, established 7 years; good locality, and best funeral design trade in the city, with greenhouse attached. For particulars, apply to JOHN NEW, 21 Adelaide St. East, Toronto, Canada.

#### WANTED.

Let us grow your Carnation plants at 1c each, and your Violet plants at 1c doz. each. We want 100,000 Carnations and 50,000 Violet plants to grow. We have a good soil and situation to grow strong, healthy plants. Willenreiter & Schwiemann, Florists, Danvers, Ill.

## ATTENTION FLORISTS.

### FOR SALE OR LEASE.

Ten acre tract best gardening land, plenty water, with three 100-ft. greenhouses 1½ years old heated with steam, large boiler and house, worksheds, large barn, 3 steam pumps, water tank. All in No. 1 condition; 9 miles from center of city on rock road, ½ mile from street car line. Apply

#### F. HAUSPERGER.

1826 N. Broadway, ST. LOUIS, MO.

## FLOWER SEEDS

### FOR PRESENT SOWING.

Trade pkt. Oz.  
Ampelopsis Veitchii..... 10 \$ .20  
Alyssum, Sweet..... 10 .20

#### ASTERS.

Victoria, white, pink, crimson, light blue, dark blue, each.....	25	2.50
Same, all colors mixed.....	25	2.00
Truffaut's, separate colors.....	25	2.00
All color mixed.....	25	2.00
White Branching.....	25	2.50
Giant Comet, white.....	25	2.50
Cosmos, early flowering hybrids, new.....	20	2.00
Daisy, Vaughan's Mammoth mixed.....	25	2.50
Mammoth white.....	25	2.50
Extra choice mixed.....	25	2.50
Lobelia speciosa, running.....	25	3.00
Crystal Palace Compacta.....	25	3.00
White Gem.....	25	3.00
Golden Gem, yellow leaves.....	25	3.00
Musk Plant.....	10	1.00
Mignonette Machet.....	10	1.50
Musa Ensete, 100 seeds, \$1.50.....	50	5.00
Pansy, Giant mixed.....	50	10.00
Vaughan's International Mixed.....	50	10.00
Trimardeville mixed.....	10	2.00
Petunia Hybrid, best dbl. large flower.....	1.00	1.00
Best large flowering single.....	25	2.50
Phlox, Snowball.....	25	2.50
Fireball.....	25	2.50
Stocks, large flowering Ten Weeks, white, pink, crimson, light blue, dark blue, canary.....	25	2.50
Best mixed.....	25	2.50
Snowflake for forcing.....	50	2.50
Verbena hybrid, fine mixed.....	10	1.50
Extra choice mixed.....	25	2.00
Mammoth mixed.....	25	2.00
Fordhook Mammoth.....	25	2.00
"Vaughan's Best" mixture is better than any.....	25	3.00
White.....	25	1.50
Deliance, scarlet.....	25	2.00
Striped.....	25	2.00
Purple.....	10	1.00
Vinca rosea, alba, alba pur or mixed, each.....	10	1.00

#### VAUGHAN'S SEED STORE.

NEW YORK: 26 Barclay St. CHICAGO: P. O. Box 688.

## Choice Flower SEEDS For Florists.

#### HERRMANN'S SEED STORE,

413 E. 34TH STREET,

Near Long Island Ferry, NEW YORK.

## Kansas City, Mo.

The Kansas City Florist Club held its annual meeting January 9 at the spacious store of A. Newell. The boys arrived early, but seemed to be in no hurry to have the meeting called to order, as they wanted to chat and talk Xmas trade. All reported a good Xmas business considering it rained Monday and Tuesday before Xmas. Very few could get out to buy, most of the business was done over the phone, and many a florist went to bed Xmas eve with a heavy heart thinking of the stock "on hand." Behold, all were up bright and early next morning filling and packing orders, so as to be ready for the rush, for the morning found mother earth robed in a spotless garment and old Sol shining in all his glory. Everything was sold by noon and all happy.

After talking Xmas and '96 chrysanthemum show for thirty minutes Vice-President Heite called the meeting to order. After the usual business the following officers for '96 were elected: E. T. Heite, president; R. Jarrett, vice-president; E. F. Brown, secretary; A. Newell, treasurer. After adjournment A. Newell served refreshments fit for a king. Mr. Heite favored us with a song and dance, Mr. Jarrett sang a couple of songs, then came Messrs. Murray and Heite in a wonderful brother dance. All pronounced the meeting the best ever held.

The K. C. F. C. sends greetings and best wishes to all brother clubs for the year 1896.

During the late summer Paul Ducret enlarged his palm house, A. Newell added a conservatory to his store, R. Jarrett & Son built a new palm house, also one for carnations. E. F. B.

## Chatham, Ont.

Victoria Avenue Greenhouses has added two houses 20x50 each and one palm house 30x18, also put in a 25 H. P. steam boiler in place of hot water.

John Tissiman built one rose house 20x50 last summer, hot water heating.

J. McPherson, late of Toronto, started business here last fall. He has built one house and intends to build more next spring.

T. A. Smith, proprietor Victoria Avenue Greenhouses, has been elected alderman for his ward, this being his third term.

## Rooted Cuttings.

GERANIUMS, fine assortment, single, double and semi-double all labelled, \$12.00 per 1000, or \$1.60 per 100.

COLEUS for massing, best red, yellow and fine green at \$6.00 per 1000, or 85c per 100. Fancy leaved, twenty finest varieties, at \$5.00 per 1000, or 75c per 100.

AGERATUM (ope's Pet., at 60c per 100.

HERR'S PANSIES, at \$6.00 per 1000, or 80c per 100. Stock grown by Daniel K. Herr. Address communications to

ALBERT M. HERR,

L. B. 496. LANCASTER, PA.

## PALMS.

150,000 of all the leading varieties.

## FERNs.

50,000 of leading varieties.

Address

GEORGE WITTBOLD,

1708 N. Halsted St., CHICAGO

Mention American Florist.



INTERIOR VIEW OF ONE AZALEA HOUSE AT DREER'S NURSERY, 25x250 FEET.

## AZALEAS FOR EASTER

We are carrying an immense stock of Azaleas and can still supply all the leading varieties in quantity; the plants this season are exceptionally fine, being bushy and well set with buds. If you have not yet laid in your supply for Easter now is the time to place your order as the plants carry in much better shape while the buds are still dormant. We offer:

CROWNS 10 to 12 inches in diameter - - \$5 per Doz., \$40 per 100

CROWNS 12 to 15 inches in diameter - - \$9 per Doz., \$70 per 100

Specimen Plants, 18 to 20 inches in diameter - - - \$3 each

## HENRY A. DREER,

714 Chestnut St.,

PHILADELPHIA, PA.

**tobacco dust to burn;** the life of many a green fly depends on it, not a few growers say its the stuff to fumigate with; have you tried the awful strong IMPROVED DUST! it seems to be better for the purpose than other kinds—Bbl., 200 lbs., \$4.00 on cars, N. Y. C.

TOBACCO STEMS, 75 cents 100 lbs., 500 lb. bales.

H. A. STOOHOFF,  
331 Madison Ave., New York City.

## 6,000 BEGONIA NIVEA,

AT REDUCED PRICES.

The New Everblooming Apple Blossom Begonia. We have a large stock of this grand winter blooming and summer bedding plant; it being covered with elegant panicles the whole year round, making it a valuable market plant. In color it is of a delicate pink when in bud, expanding through lighter shades to snowy whiteness when in full flower, giving it an apple-blossom appearance, that is unique, and what the ladies call "just lovely."

In order to make room, and to place in reach of all, we offer 6,000 plants only at reduced rates, if ordered before March 1st, 1896, after which date, prices will be advanced. It is a most vigorous grower, propagates easily, and has come to stay. The plants are well branched, well established and first-class in all respects, and sure to give satisfaction. Up to date florists should secure some of this stock for their floral work.

We guarantee safe arrival in good condition, and extras added to all orders of one dollar and upwards by express. Cash with the order. 50 plants at 100 rates.

	Each	100	1000
From 2 1/2-inch pots.....	.15	10	\$ 7.50 \$ 4.00
2 1/2-in. pots, ex. strong plants.....	.20	15	1.00 6.00
4-inch pots, well branched, full bloom.....	.25	20	1.25 8.00
5-inch pots ext. strong heavy plants in bloom.....	.35	25	2.00 12.00
6-inch pots, too large to mail.....	.50	2.50	15.00
Rooted Cuttings to order, \$20.00 per 1000.....			2.00
Strong stems with leaves, buds and bloom.....			1.00
Large panicles, ships well.....			.50

J. ELLETSON,

Floral Nurseries, AUBURN, N. Y.

## CLEMATIS.

Choice, strong home-grown plants. Leading kinds \$3.00 per dozen. \$25.00 per 100.

F. A. BALLER, BLOOMINGTON, ILL.

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## KELSEY'S GALAX

For FUNERAL DESIGNS

are especially invaluable.

Ask the introducer for liberal samples.

HIGHLANDS NURSERY, Kawana, N. C.

## BRILLIANT GREEN AND BRONZE

## GALAX LEAVES.

LARGE AND SMALL SIZES.

FINEST QUALITY, PERFECTLY PACKED.

SPECIAL EXPRESS RATES.

LEADING WHOLESALE FLORISTS, or Free

Sample and prices of

CHAS. H. RICKSECKER,  
LINVILLE, Mitchell Co., N. C.

## DRACÆNA INDIVISA

out of 7 and 8-inch pots - Good plants, 2 to 3 feet high, \$5.00 per dozen; \$25.00 per 100.

## ASPLENIUM BULBIFERUM FERN

fine, strong plants out of 3-inch pots, \$6.00 per 100. Cash.

FORT ROUGE GREENHOUSE CO.,  
F. FRANCIS, Mgt. Winnipeg, Manitoba.



## New Seedling Chrysanthemum WM. SIMPSON.

Certificate of Chrysanthemum Society of America, November 2d, 1895.  
First Premium for best Pink American Seedling, Pennsylvania Horticultural Society Exhibition, November 5th, 1895.  
Certificate of Merit, Pennsylvania Hort. Society, November 5th, 1895.  
Silver Medal for best American Seedling, Pennsylvania Horticultural Society, November 5th, 1895.

See Florists' Exchange, - Nov. 20th, page 465.  
" Garden and Forest, - Nov. 23d, " 1114  
" American Garden, - Dec. 14th, " 415.

It is the **EARLIEST LARGE CHRYSANTHEMUM GROWN.** Has been cut as early as Oct 15th; flowers measuring 11 inches in diameter. A good strong healthy grower, stiff stem, 4 to 5 feet high, with clean foliage.

Will be sent out March 15th, 1896. Price to the trade,

\$5.00 per dozen; \$35.00 per 100; \$200.00 per 1000.

### JOSEPH HEAGOCK, Wyncote, Pa.

And for sale by Henry A. Dreer, 714 Chestnut Street, Philadelphia; Henry F. Michell, 1018 Market Street, Philadelphia; Geo. C. Watson, 43 N. 10th Street, Philadelphia; E. G. Hill & Co., Richmond, Ind.; Nathan Smith & Son, Adrian, Mich.; The Cottage Gardens, Queens, L. I., N. Y.; Henry G. Standen, Haverford, Pa.; A. Blanc, Philadelphia, Pa.

When writing mention Am. Florist.



### GREVILLEA ROBUSTA.

FRESH SEED; CROP '95.

Oz. \$1.00; Pkt. 25c.

Largely used for veranda boxes and centers of vases. A very useful plant and easily raised from seed. Grows rapidly; will stand a lot of rough usage, and often takes the place of a valuable palm as a pot plant.  
I make a specialty of choice Flower Seeds for Florists. Eighteen years' experience. Send for list.

**G. C. WATSON,**

Wholesale Seed & Bulb Merchant,  
PHILADELPHIA, PA.

### NEW GOLDEN YELLOW TROPÆOLUM "COOLGARDIE," (May).

One of the finest novelties of the season, flowers pure golden yellow, of free growth, and will keep up a succession of bloom throughout the season. First-class awards from Royal Horticultural and Royal Botanic Societies. I can offer a limited quantity of seed of the above price 25¢ per pkt. of 12 seeds, post free.

H. B. MAY,  
Dyson's Lane Nurseries, Edmonton, London, England.  
Mention American Florist

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, Chinas, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

## ONE THOUSAND CAR LOTS OF OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf.  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR. 1000 ACRES. 29 GREENHOUSES.

## THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

Mention American Florist.

BETTER THAN EVER. CHEAPER THAN EVER.

## CHRYSANTHEMUMS.

(Ready February 1st.)

**APOLLO**—Gracefully incurved yellow, late, fine form, good stem and foliage. Free grower, always produces perfect flowers, height 3½ feet. A No. 1 commercial variety, and a grand single stem pot plant. Strong, healthy plants from 2-inch pots 20 cts. each; \$15.00 per 100, 25¢ per 1000.

**MRS. J. M. ATHERTON**—First-class certificate at Atlanta. Large white, spherical Chinese, in fact the largest and best white of this class, surpassing Miss Ginda's Spaulding in every respect. EXTRA stout stem and large handsome foliage up to flowers. Height 3 to 4 feet. Excellent pot plant and commercial flower variety. From 2-inch pots, 25 cts. each; \$18.00 per 100.

**MRS. S. T. MURDOCK**—The best commercial potted and **PHILADELPHIA**, \$7.50 per 100.  
The following varieties at \$2.50 per 100; \$20 at 100 rate: Bonnation, Minerva, C. Chalfant, Marion Henderson, Comrades, Niveus, Marie Louise, Ivory, Queen, Good Gracious Lady Playfair, Pres Wm R. Smith, Mrs. J. Geo. Hs. Enfant des deux Mondes.

Nothing but vigorous, cool grown plants sent out.

**NANZ & NEUNER, Louisville, Ky.**

Mention American Florist

## GERANIUMS.

At least 30 varieties. All the best of the Double and Singles grown and named, at \$15 per 1000; \$1.75 per 100.

	Per 1000	Per 100
Mme. Salleron	\$12.00	\$1.50
Rose Geraniums	20.00	2.25
Alternanthera p. major and aurea	6.00	.75
Cuphea platycentra (Clgar Plant)	8.00	1.00
Feverfew Little Gem	10.00	1.50
Double Golden Marguerite	10.00	1.50
Dreer's strain Double Petunias	12.00	1.50
Salvia splendens	10.00	1.25

The above are grown in flats, in fine condition.

### ROOTED CUTTINGS.

	\$12.00	\$1.50
Fuchsias, named, about 30 varieties		
Heliotrope, named, 6 varieties	8.00	1.00
Ageratum, blue and white		1.00

The selection of sorts to remain with us. Cash with the order

J. E. FELTHOUSEN, Florist, Schenectady, N. Y.

AZALEAS,	Sander, Bruges, Belgium.
PALMS,	Sander, Bruges, Belgium.
ARAUCARIAS,	Sander, Bruges, Belgium.
BAYS,	Sander, Bruges, Belgium.

Agent: A. DIMMOCK,  
106 & 108 Liberty Street, NEW YORK.  
SEND FOR SPECIAL OFFER.

## The Oaks Greenhouse Co., Jackson, Mich.

Offer the following:

	100	1000
A few thousand Tulip roses	\$5.00	\$3.00
About 500 Dracaena indivisa, 3½ ft.	5.00	
Begonia Metallea, 3½ ft.	5.00	
Rooted cuttings Chrysanthemums, standard varieties	1.00	9.00
R. C. Marguerite Daisy, white and yellow	1.00	9.00
R. C. Vinca variegata	1.00	9.00
R. C. Carnations, Daybreak, McGowan, Fortia, etc.	1.25	10.00
R. C. a quantity of La France Roses	1.50	12.00

If to be sent by mail add 10¢ per 100. Cash with order.

Mention American Florist.

## Jones, McDuffee & Stratton, Plant Pots and Pedestals

of all grades, sizes and values, direct from the best  
Potteries of England, France, Germany,  
China Japan and the U. S.

WHOLESALE AND RETAIL.

120 Franklin St. cor. Federal, Boston, Mass.



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Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to se-  
cure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

**OBITUARY.**

AUGUSTUS W. BENNETT.

Supt. A. W. Bennett of Schenley Park, Pittsburgh, and president of the Florists' Club of that city, died at midnight January 15, after a brief illness. The news of his death will come as a shock to a very large circle, for he was born into the trade, and "Gus" Bennett, with his genial face and bluff, hearty presence, was one for whom, of all men, we might have predicted a green old age. He was still in his early prime, when his short illness terminated fatally.

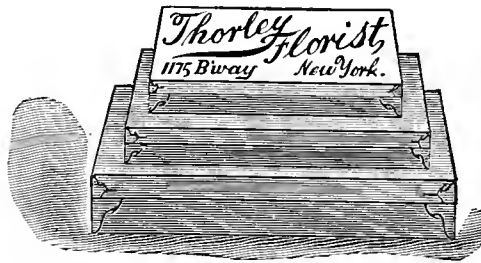
Mr. Bennett was born at Flatbush (now incorporated with Brooklyn, N. Y.), being the third son of the late William Bennett, one of the most famous plantsmen of the elder generation. It was while in his father's greenhouses that he gained the first knowledge of decorative plants, which he afterwards grew with such marked ability. For some time he had charge of the private collection of Mr. Brown of Flatbush, handling palms, ferns and orchids with a skill which aroused much attention. Later he was for a time in Milwaukee, afterwards going to Pittsburgh. During the comparatively short time he was at Pittsburgh he displayed great ability in all the various questions brought before him, and his death has ended what we all regarded as a most promising career. He leaves a young widow and family. The members of his family, who are well known in trade circles, may be assured of sympathy both deep and sincere. We hope to present fuller details next week.

PIERRE NOTTING.

M. Pierre Notting, one of the original partners of the firm of Souper & Notting, died at Luxembourg November last. Few rose growers are more widely known than this firm, and M. Notting's name is familiar among rosarians all the world over. He was born just across the Luxembourg frontier in 1825, settling in that duchy in 1845. From early youth he was distinguished by his love of flowers, and, associating with his friend M. Jean Souper, their establishment became celebrated, not only for high rank as rosarians, but also for the high character of its proprietors. M. Notting was very popular personally, and his death is lamented by a host of friends.

**A. & F. RÖLKER,**  
**Down-town Wholesale Florists,**  
106 & 108 Liberty Street (Basement),  
**NEW YORK.**

Always mention the American Florist when writing to advertisers.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**  
NEW YORK SALESROOM:  
132 & 134 Franklin Street. 315--325 Congress Ave., NEW HAVEN, CONN.

**LONG'S FLORISTS' PHOTOGRAPHS.**

FOR USE IN TAKING ORDERS.

Sets from \$1.75 up. 176 Subjects.

For Priced Circular, apply to Supply  
Dealers, or the Publisher,**DAN'L B. LONG, Buffalo, N. Y.**

**W. ELLISON,**  
**WHOLESALE**  
**Cut Flowers & Florists' Supplies**  
**WIRE DESIGNS.**  
**1402 PINE STREET,**  
**St. Louis, Mo.**

**C. A. KUEHN,**  
(Successor to ELLISON & KUEHN.)  
**Wholesale Florist,**  
**1122 PINE STREET,**  
**ST. LOUIS, MO.**  
A complete line of Wire Designs.

**WANTED.**

DORMANT ROSE PLANTS.

HYDRANGEAS, blooming size.

PELARGONIUMS.

MAHERNIAS.

**WISCONSIN FLOWER EXCHANGE,**  
**MILWAUKEE, WIS.**

**H. L. SUNDERBRUCH,**  
**Wholesale Florist**  
**4TH AND WALNUT STREETS,**  
**Cincinnati, O.**

**The Boston Flower Market**

is prepared to purchase, on order, and  
ship Trade orders for Cut Flowers at  
prices ruling in the market on day of  
sale. **TERMS STRICTLY CASH.**

Address **WM. J. KENNEDY, Mgr.,**  
**Flower Market, Park St., BOSTON, MASS.**  
Long Distance Telephone "Haymarket 638."

**Cut Smilax**  
**15 CENTS PER STRING.**  
**THE NATIONAL PLANT CO.**  
**CASH DAYTON, OHIO.**

**DAN'L B. LONG,**  
**FLOWERS AT WHOLESALE.**  
Strictly Commission Business.  
SUPPLIES, ETC.  
LISTS FREE. **BUFFALO, N. Y.**

**SAMUEL S. PENNOCK,**  
**Wholesale Florist**  
**1612 & 1614 BARKER STREET,**  
Bet. Market & Chestnut, **PHILADELPHIA, PA.**

**"The National"**

Folding Flower Boxes are the best  
and most convenient ever put upon  
the market. They are made from  
board, manufactured especially for  
these goods, and made so as to resist  
moisture, thereby keeping the flow-  
ers fresh, and the box holding its  
shape.

**THE NEW YORK**  
**CUT FLOWER CO.,**  
119 and 121 W. 23rd St., and  
112 and 114 W. 24th Street,  
**IS NOW**  
**OPEN FOR BUSINESS.**  
*The Largest Dealers in*  
**CUT FLOWERS**  
**IN THE WORLD.**

Handling flowers of all kinds in quantity  
we are in a position to fill shipping orders  
promptly. We shall give careful attention  
to this branch of the business, and solicit  
your patronage.

**Asparagus Plumosus Nanus.**  
Cut Strings, 8 to 10 feet long,  
**50 CENTS.**  
**W. H. ELLIOTT, Brighton, Mass.**

**WHOLESALE**  
**FLORISTS**  
**JOEBERS IN**  
**FLORISTS'**  
**SUPPLIES,**  
**FLORISTS'**  
**VASES.**

METS,  
BRIDES,  
GONTIERS,  
CARNATIONS,  
ALWAYS ON HAND.

**84 Hawley Street,**  
**BOSTON, MASS.**

**HORTICULTURAL AUCTIONEERS.**

Always mention American Florist.

**WELCH BROS.,**  
**Wholesale Florists,**  
**NO. 2 BEACON STREET,**  
Near Tremont St., **BOSTON, MASS.**

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.



## The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.  
S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;  
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-  
bers St., New York, Sec'y and Treas.

H. A. JOHNS is in St. Louis.

W. B. HOYT is in New Orleans.

J. A. MEGGATT of Wethersfield, Conn.,  
was a recent caller at St. Paul.

MR. S. F. LEONARD has returned from  
an extended trip through Texas.

MR. R. W. CLUCAS is now with  
Vaughan's seed store, New York.

CATALOGUE mail trade is said to be  
starting in rather better than last year.

VISITED NEW YORK: J. A. Squire, Wel-  
lington, Can., and E. B. Clarke, Milford,  
Conn.

THE CROCKER SEED CO. is the name of  
a new house recently started in Minne-  
apolis.

THE rainfall in California this season  
has been scant, amounting to only three  
inches, and the season for rain is nearly  
over.

THE agricultural committees in both  
House and Senate are reported to be in  
favor of distributing a certain amount of  
rare seeds.

AT THE auction sales in Philadelphia  
January 13 all the stock and fixtures of  
Z. DeForest Ely & Co. were sold to Mr.  
Sowder, father-in-law of Mr. Ely.

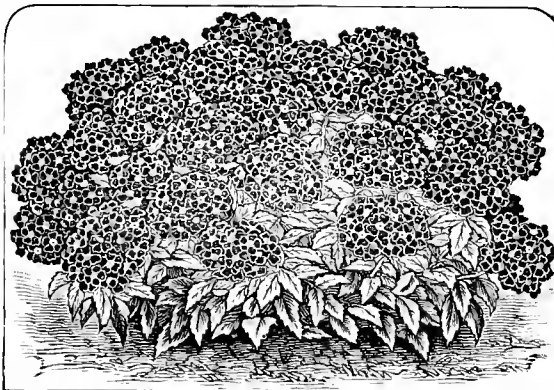
## The Non Warranty Clause Sustained.

The suit of Henry J. and John Camden  
of Jamaica against Anthony V. Theuret,  
a Brooklyn seed dealer, to recover for  
alleged damage through a misrepresentation  
of seed purchased in 1893, was dis-  
missed by Justice Smith sitting in the  
Supreme Court in Long Island City yester-  
day. The case has attracted attention  
from the farmers of Long Island, as the  
contention of the purchasers was that the  
seed was sold under a guarantee to pro-  
duce American Golden self-blanching  
celery. The crop proved of a lower grade  
and the damage was placed at \$6,000.  
The defendant declared that he purchased  
the seed in open market and sold it in the  
original packages without warranty.

The Camdens are extensive planters  
and celery growers. Seedsmen from Con-  
necticut and New Jersey were present to  
give expert testimony for the defendant  
if necessary.

## Secretary Morton Explains.

WASHINGTON, January 15.—Secretary  
Morton was before the senate committee  
on agriculture to-day to explain why he  
had not purchased seeds, as usual, during  
the past year. The members of the house  
agricultural committee had been invited  
to meet with the senate committee in  
order that the secretary need not make a  
second statement. The secretary read a  
prepared statement showing what the  
department had done, what bids had  
been received, and why they were rejected.  
Among the bids was one which gave a  
high price for certain flower seeds,  
amounting to \$128 a pound in some  
cases. The session was enlivened by a  
lively tilt between Senator Hansbrough  
and the secretary. Mr. Morton took the  
position that there was no demand for  
the distribution of seeds.—*Chicago Tri-  
bune, January 16.*



New DWARF Mammoth

## VERBENA SEED

Crop of 1895 just received.

Grown for us by a specialist,  
seed saved from mammoth flow-  
ers only and of strictly the bright-  
est and most salable colors, all  
with large distinct eyes. Now is  
the time to sow seed if you wish  
strong plants, free from rust.  
(choicest mixed of all colors,  
per oz. \$2.75, per 1/4 oz. 75 cts.)

## Cyclamen Giganteum Seed.

Now is the time to sow. New  
crop of seed has just arrived in  
fine condition, from the largest  
Cyclamen grower in Europe.

	100 seeds	1000 seeds		100 seeds	1000 seeds
Giganteum Album, white.....	\$1.00	\$9.00	Giganteum Roseum, pink.....	\$1.00	\$9.00
Giganteum Rubrum, red.....	1.00	9.00	Giganteum mixed, all colors.....	1.00	8.50

SMILAX SEED, NEW CROP, 40 CTS. PER OUNCE.

Send for our WHOLESALE PRICE LIST, now ready, for a full list of FRESH FLOWER SEEDS.

HENRY F. MICHHELL, 1018 Market St., Philadelphia, Pa.



"IF NOT, WHY NOT"

## FORCE GLADIOLI? That

Carnation bench can hold a few. It has the temperature  
to develop fine blooms for **EASTER**. Order and plant  
at once.

MAY, fine white.....	\$2.00 per 100; \$17.00 per 1000
EUGENE SCRIBE, pink .....	3.00 "
AMERICAN HYBRIDS.....	1.00 " 8.00 "
Fine all colors mixed.....	1.00 " 7.00 "

Cash please.

CUSHMAN GLADIOLUS CO., Euclid, O.

## ASTER SEED.

SEMPLE'S STRAIN of Asters, the best and only strain for florists to make money out  
of the cut flowers. Large flowers like chrysanthemums, long stems and exquisite colors,  
excellent for growing inside in summer. Flowers bringing from \$1.50 to \$3.00 per dozen.

Read the following from Randolph & McClements:

PITTSBURG, January 14th, 1896.  
MR. SEMPLE, Bellevue, Pa.—"The Aster Seed purchased from you produced the finest flowers I  
ever saw. Under glass in summer they will make the best summer flower we can get, producing  
flowers 4 to 5 inches in diameter." Yours truly,  
RANDOLPH & McCLEMENTS.

Mixed Seed, three kinds, Pink, White and Lavender. Separate colors all sold.  
Seed all grown in 1895.

JAMES SEMPLE, Box 2, BELLEVUE, Allegheny Co., PA.

## THE BROWN BAG-FILLING MACHINE

Puts up seed in packets, takes all sizes of bags, gauges all quantities  
of seed from an ounce to a grain, seals up the bag, and runs  
three thousand per hour. Illustrated Circular on application.

THE BROWN BAG-FILLING MACHINE CO., Fitchburg, Mass.

## Seeds.

## The Choicest Florists' Strains

quoted in our New Trade  
List, now ready, and mailed  
free to applicants.

August Rölker & Sons

136-138 W. 24th St., New York.

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

New Extra  
DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20  
varieties, for only \$2  
by mail.

CASH WITH ORDER.

S. O. STREBY,

Lock Box 77,

UPPER SANDUSKY, OHIO.

ALWAYS mention the AMERICAN FLO-  
RIST when writing to advertisers.



**Weep** and the World  
weeps with you.  
**Laugh** and the laugh  
is on the other fellow.  
Order now seasonable seed  
and convince yourself of  
the fact. . . . .

	Trade Pkt.	Ounce
Verbena, Elliott's maumoth,	.50	\$2.00
Pyrethrum, Golden Feather,	.15	.40
Lobelia, Crystal Palace Compact,	.50	3.00
Cyclamen, Giganteum,	1.00	

	Trade Pkt.	Ounce
Mignonette, Machet,	.10	\$ .40
Centaurea, Gymnocarpa,	.15	.40
Carnation, Marguerite,	.25	1.50
Salvia Splendens, -	.25	1.50

**WM. ELLIOTT & SONS, NEW YORK.**  
54 AND 56 DEY ST.

## NORTHROP, BRASLAN, GOODWIN CO.

Being **GROWERS** we are in a position to supply **Seeds of First-Class Quality** and to make **specialty low prices**. A trial will convince those who have not yet found this out.

**NORTHROP, BRASLAN, GOODWIN CO.**

20 to 28 Hennepin Ave., MINNEAPOLIS, MINN.

55, 57 & 59 N. Jefferson St., CHICAGO.

## ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

**SANDER, St. Albans, England, & Bruges, Belgium.**  
A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106 and 108 Liberty Street, New York City  
Send for illustrated catalogue.

## Bulbous Begonias.

LAING'S STRAIN. In separate colors.

*Lilium Longiflorum*, Tuberoses, *Spiræas*, etc. Now on hand.

Ask for prices.

**HULSEBOSCH BROS., Englewood, N. J.**  
Mention American Florist.

## WE SELL SEEDS

Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.

**WEEBER & DON,**  
Seed Merchants and Growers.  
114 Chambers Street, NEW YORK.

## TELEGRAPH CODE

OF THE  
**AM. SEED TRADE ASSOCIATION**  
\$2.00,

In either stiff or flexible cover.

ADDRESS ORDERS TO

**AMERICAN FLORIST CO.,**  
P. O. Drawer 164. . . . . CHICAGO.

**CALCEOLARIAS AND CINERARIAS.**

A superior strain. Per 100  
**CALCEOLARIAS**, spotted and striped, ready for 3-inch pots, \$3.00 per 100. In flats, \$2.00  
**CINERARIAS**, 2 1/2-inch, . . . . . 2.50  
S. Whitton & Sons, City & Green Sts., Utica, N. Y.

## EXTRA CHOICE FLOWER SEEDS.

List free on application.

**FRED. ROEMER, SEED GROWER,**  
**QUEDLINBURG, GERMANY.**

Always mention the American Florist when writing to advertisers.

WE ARE HEADQUARTERS ON  
**BULBS FOR FORCING,**  
**FLOWER SEEDS FOR FLORISTS**  
**ENGLISH MUSHROOM SPAWN.**  
Special prices on application.  
**JOHN GARDINER & CO., Seedsmen,**  
631 Market St., Philadelphia, Pa.

## Begonias, Gloxinias.

500,000 Bulbs of our Noted Strain for Sale.

**PALMS, AZALEAS, FICUS, ARAUCARIAS, SWEET BAYS, DUTCH BULBS, LILUMS, ETC.**

The Best is Always the Cheapest. Write for Prices.

**TOEFFAERT & GEE, BELGIUM,**  
And 36 Catharine St., Liverpool, England.

All Quality, Small Profits, Perfect Packing. Prompt Attention, Low Freight.

When writing mention the AMERICAN FLORIST.

**I OFFER (if unsold) TERMS CASH.**

**12,000 Pips Lily of the Valley,**

by the Case of 3000, at \$8.25 per 1000.

12,500 by the Case of 2500, at \$8.75 per 1000.

**C. H. JOOSTEN,**  
**336 Dey St., NEW YORK.**

We are now offering a fine lot of

## DRACÆNAS

in the best sizes and varieties, at very low prices. List on application.

**PITCHER & MANDA, Short Hills, N. J.**

## PANSY SEED.

THE JENNINGS STRAIN OF FINEST AMERICAN CROWN PANSIES,

in pkt. of 2500 seeds \$1.00, very finest mixed, all colors. Large flowering plants all sold.

**E. B. JENNINGS, Pansy Grower,**  
Lock Box 251 Southport, Conn.

Mention the American Florist when writing to advertisers on this page.



I GROW as fine a Collection of  
**DAHLIAS**  
as it possible to obtain, of both old and new varieties. If you want a choice collection for a special purpose, I have studied your business and can give you varieties suitable to your purpose.  
**W. W. WILMORE,**  
Dahlia Specialist, Box 382, DENVER, COLO.

## CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery from March 1st. Cultivated Cycas always on hand, rooted and well established, at low prices.

*Lil. Auratum*, Spec. *Rubrum* and *Album*, Etc.  
*Iris Kæmpferi*, in 100 choice varieties.

Japanese Maples, in best varieties.

Camellias, Pæonies, Tree Ferns, Rhapis, Etc.

*Araucaria excelsa*, choice cultivated stock at lowest prices.

For general Japanese stock apply to

**F. Gonzalez & Co.**

303 to 312 Wayne St., SAN FRANCISCO, CAL.

## Complete Catalogue

OF

Fruit Tree Stocks, Ornamental Trees, Shrubs, Evergreens, Roses, Etc.

Grown by

**P. SEBIRE & SONS,**

USSY, (Calvados), FRANCE,

will be mailed on application to their sole Agents,

**C. C. ABEL & CO.,**

P. O. Box 920.

NEW YORK.

300 Acres in Nursery.

1 Acre of Glass.

## Specialties for Florists.

Per 100  
**Cardenias**, bushy, 15 to 18 inches, \$12.00  
**Grevillea**, 12, 18 and 24 inches, \$6.00, \$8.00 & 15.00  
**Eugenia Jambos**, 12-15 inches, 12.00  
**Campor**, 12-15 & 20-40 inches, \$8.00 & 25.00  
**Quava Red Cattley**, 15-20 inches, 12.00  
**Magnolia Fuscata**, 8, 15 & 20 in., \$12, \$15 & 25.00  
**Olea Fragrans**, 6, 10 & 20-15 in., \$8, \$12 & 20.00  
**Oranges & Lemons**, grafted on dwarf stock, blooming size, stocky, 10-12 & 15-18 in., \$25 & 40.00  
**Otaheite Orange**, bushy, 10 & 12-15 in., \$8 & 15.00  
Stock of above all pot-grown, ready now to ship, and in best possible condition.

**FIELD-CROWN ROSES**, including 100,000 M. Niel, budded; Fruit and Ornamental Trees, Rare Conifers, etc. Send for Trade List and Descriptive Catalogue.

**P. J. BERCKMANS,**

Fruiland Nurseries,

AUGUSTA, GA.

## CATALOGUE PRINTING. ELECTROTYPING.

Done with expert ability for Florists, Nurserymen, Seedsmen. Write to

**J. Horace McFarland Co.**

. . . HARRISBURG, PA



San Jose, Cal.

The trade this Christmas was away over that of last season. Everything sold well. Violets were scarce, as were good roses. Quite a number of chrysanthemums were to be had, but the quality was very poor. Chas. Navlet had some very good H. E. Wideners which sold very well. California violets are very popular here, and justly so, for without doubt they are the largest and most graceful of all. Portia carnations sold well at \$3 per 100. Chas. C. Navlet's store made a fine showing, as also did that of E. W. Parsons, and both these florists report a big increase over last year.

Mr. Frank Swain has opened up a new store in the Fair Building. He intends to do a general retail business and to make a specialty of potted plants.

Great preparations are being made on all sides for the great rose carnival in May. C. C. Morse & Co. and J. M. Kimberlin of Santa Clara donated several hundred pounds of sweet pea seed to the public schools, who have planted it by the acre. Meetings by the various committees are being held regularly and things are being pushed ahead rapidly.

The trade here report New Years trade as very satisfactory, carnations especially selling at 1.50 per dozen retail. Violets also were in great favor. Taken as a whole they claim that business was far ahead of last year.

Mr. John Stark, who for the past four years has been foreman for R. D. Fox, has left on account of bad health and at present is living in San Francisco.

Another very popular member of the trade here has left us in the person of Wm. Nesbitt, who has had charge of Mr. E. W. Parsons' greenhouses. Mr. Nesbitt during his stay with us made many friends by his kind manner and disposition, and the good wishes of the trade go with him to his eastern home.

The long absence of rains here is creating quite a scare among the adjacent seed growers. Onions which have been in the ground for weeks have not yet shown tops, and the same with other seeds such as sweet peas, etc. METEOR.

THE AMERICAN FLORIST (\$1.00) and *Gardening* (\$2.00) together to one address for one year for \$2.50. Send orders to American Florist Co.

## OUR NEW CHRYSANTHEMUMS

FOR 1896

Have been fully indorsed by the  
Chrysanthemum Society  
of America.

Descriptions and prices free on application.

NATHAN SMITH & SON,  
Adrian, Mich.

E. G. HILL & CO.,  
Wholesale Florists  
RICHMOND, INDIANA.

PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

# New Chrysanthemum IVOIRE ROSE, A SPORT FROM IVORY.

Without doubt the best all round  
variety grown for general purpose. In  
color it is a beautiful silvery pink.

NO GROWER SHOULD BE WITHOUT IT.

We offer plants from 2-inch pots, March 1st  
delivery, at \$3 per doz.; \$20 per 100.

ORDERS BOOKED, AND FILLED IN ROTATION.

JOHN BREITMEYER & SONS,  
DETROIT, MICH.

## TWO BEAUTIFUL NEW CHRYSANTHEMUMS

GRETCHEN BUETTNER.

A large, beautiful white of great depth; distinct  
in color and form. Strong stem and fine foliage.  
3½ ft. Crown bud. Certificate of Merit Horticult-  
ural Society, Chicago. First Class Certificate N. C.  
S. (See AM FLORIST, Nov. 16)

\$5.00 PER DOZEN; \$35.00 PER 100.

READY MARCH 1, 1896.

MRS. E. BUETTNER.

A beautiful clear yellow reflexed flower, in  
form like Morel, with excellent stem and foliage.  
Late. 3½ feet. Crown bud.

First Class Certificate N. C. S.

\$4.00 PER DOZEN; \$25.00 PER 100.

ORDERS BOOKED NOW.

E. BUETTNER, Park Ridge, Ill.

## PINK IVORY,

(MISS AGNES L. DALSKOV.)

STOCK PLANTS, \$22.00 per Dozen; \$2.00 each.

Cash with Order. M. HANSEN, New Durham, N. J.

MARQUIS DE MONTMORT  
AND MERRY MONARCH,

50 cts. each; \$5.00 per dozen.

Marion Henderson and Major Bonaffon,  
25 cts. each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

DAILLEDOUZE BROS., Flatbush, N. Y.

## Wanted.

100 PIN OAKS, 8 to 12 feet.

100 WHITE OAKS, 8 to 10 feet.

ANDORRA NURSERIES,

WM. WARNER HARPER, CHESTNUT HILL,  
Manager. PHILAD'A, PA.

Always mention the American Flo-  
rist when writing to advertisers.

## CHRYSANTHEMUMS

All the best new and old varieties.

Send for List to

EDWIN LONSDALE,

Chestnut Hill, Philadelphia.

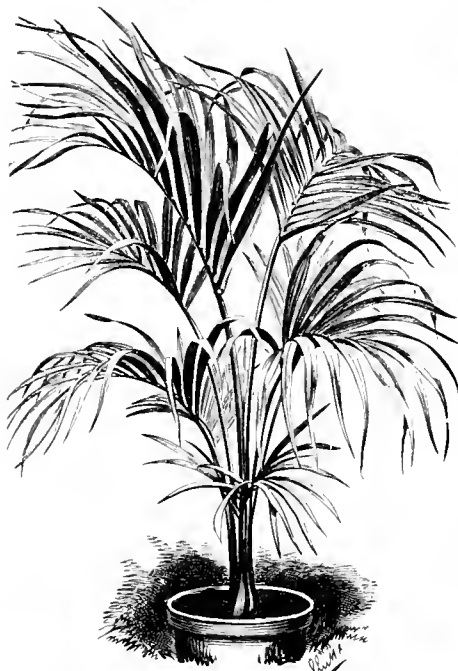
## CHRYSANTHEMUMS.

80 New Varieties, including

Miss M. M. Johnson, J. E. Lager, Philadelphia, Mi-  
nerva, Marie Louise, J. H. Troy, Mrs. Henry Robin-  
son, Sunrise, Miss G. Pitcher, John Shrimpton, Royal  
Windsor, Mrs. S. T. Murdock, H. W. Rleman, Miss F.  
Phillman and Zulinda. Fifteen plants for \$1. Send  
for catalogue. Address

M. B. LITTLE, Clens Falls, N. Y.

When writing to any of the advertisers  
on this page please mention the AMERI-  
CAN FLORIST.



## YOUNG PALMS FOR GROWING ON

We have an immense stock of the following young Palms in exceptionally fine condition which will be found of good value for growing on.

### ARECA LUTESCENS.

24-inch pots, 6 inches high. \$75 cts. per doz.  
\$85 per 100.  
\$50 per 1,000.  
3-inch pots, 12 to 14 inches high \$10 per doz.  
\$10 per 100.  
\$95 per 1,000.

### KENTIA BELMOREANA.

24-inch pots, 3 leaves, 8 to 10 inches high. \$2 per dozen.  
\$15 per 100.  
3-inch pots, 4 leaves, 10 to 12 inches high. \$3 per dozen.  
\$25 per 100.

### KENTIA FORSTERIANA.

24-inch pots, 3 leaves, 6 in. high. \$1.25 per doz.  
\$10 per 100.  
3-inch pots, 4 leaves, 10 to 12 inches high. \$2 per dozen.  
\$15 per 100.  
4-inch pots, 4 to 5 leaves, 15 to 18 inches high. \$4.50 per doz.  
\$35 per 100.

### COCOS WEDDELIANA.

24-inch pots, about 5 inches high \$2 per dozen.  
\$15 per 100.

Owing to a scarcity of this variety the price is about 50 per cent higher than last year. We have but a limited stock of this variety to offer.

### LATANIA BORBONICA.

2-inch pot, 3 to 4 leaves \$75 cts. per doz.  
\$85 per 100.  
\$40 per 1,000.  
3-inch pots, 4 to 5 leaves \$1.25 per doz.  
\$10 per 100.  
\$90 per 1,000.  
4-inch pots, 4 to 5 leaves \$3 per dozen.  
\$25 per 100.  
\$225 per 1,000.

The 3-inch pots are just beginning to show character nicely, while the fours are nicely developed plants.

### Chamaerops Exce'sa.

2-inch pots. \$75 cts. per doz.  
\$5 per 100.

### Cocos Plumosa.

3-inch pots, 15 inches high \$1.25 per doz.  
\$10 per 100.

### Ptychosperma Alexandrae.

2-inch pots, 6 inches high, 3 leaves \$75 cts. per doz.  
\$6 per 100.

### Livistona Rotundifolia.

A nice lot of small plants of this \$2.50 per doz.  
scarce variety in 2-inch pots \$20 per 100.

# HENRY A. DREER,

714 CHESTNUT ST.

PHILADELPHIA, Pa.

## PALM SEEDS

We are now booking orders for the following Palm Seeds which we expect in the course of the next month, and repeat that we guarantee full germinating power and replace seeds non-germinating.

	Per 100	Per 500	Per 1,000
Cocos Weddelliana	\$12.00	\$55.00	\$100.00
Areca lutescens	10.00	47.50	90.00
Areca rubra	10.00	47.50	90.00
Geonoma gracilis	12.00	55.00	100.00
Geonoma schottiana	15.00	65.00	120.00
Lantana borbonica	2.75	12.00	20.00

Send your order at once if you wish to receive first-class seeds.

On hand in excellent condition:

Corypha (Livistona) australis. \$75 \$5.00  
Kentias, new crop not expected before August.

Chas. Schwake, 404 E. 34th St., New York.



## HERMOSA ROSES.

FIRST SIZE per 100, \$5.00; per 1000, \$45.00  
SECOND SIZE per 100, 7.00; per 1000, 67.00  
HOLLAND CROWN, 2 year, strong per 100, 10.00.



## H. P. ROSES, 2 YEAR (Budded).

All Leading Varieties. per 100, \$10.00



CLOTHILDE SOUPERT, 8 to 12-inch, strong per 100, 10.00



## CLEMATIS (Jackmanni and type).

Holland grown, 2 year 12 for \$3.50; per 100, \$27.50  
Holland grown, 3 year 12 for 4.80; per 100, \$48.00



HYDRANCEA P. Cr., 4 feet, strong 12 for 1.50; per 100, 10.00

## VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH ST. CHICAGO.

## 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

## NOVELTIES For FLORISTS and SEEDSMEN.

ROSES—White Rambler, Golden Rambler, New Climbing Meteor and Carmine Pillar.

CRIMSON RAMBLER—\$6.00 per 100. Field grown, \$15.00 per 100. Extra fine plants, 3 to 5 feet high, \$25 per 100. Other roses at low prices. Send for list.

SPIRÆA ANTHONY WATERER—The Crimson Spiræa. The Ideal Pot Plant for Florists. Introduced last year at \$2.00 per plant, our price to-day \$8.00 per 100.

BULBS—Chinese Sacred Lilies, \$4.00 per 100. Lilium Candidum, fine bulbs, \$2.00 per 100. L. Longiflorum, \$2.00 per 100. L. Speciosum Album, \$6.00 per 100. L. Spec. Rubrum, \$5.00 per 100. L. Abratum, \$3.00 per 100. All other bulbs.

CANNAS—12 New Cannas, our own raising, \$6.00, warranted satisfactory or money refunded. Crozy's Cannas of '94, 20 cts. each; set of 20, \$3.00. 30 named cannas, 50 sorts for \$5. French Cannas, \$12 per 100.

DAHLIAS—All the latest introductions. Mrs. Pearl the white Cactus Dahlia, \$10 per 100. Nymphaea, the pink cut flower Dahlia, \$7 per 100. Mixed Dahlias, \$4 per 100.

IMPERIAL MORNING GLORIES—Double and single flowers, 6 inches. Seed, \$5, \$10 \$20 and \$40 per pound.

FANCY FLOWER POTS AND JARDINIÈRES—Largest assortment in the country. Send for catalogue.

A. BLANC & CO.,  
PHILADELPHIA, Pa.

## ROSE QUEEN, Rooted Cuttings,

the best paying CARNATION in the market. Also a few other good varieties. Clean and healthy, never had rust on my stock. Send for price list.

FRED. SCHNEIDER, Florist,  
751 Crawford St., Cleveland, O.

## ROSES H. P. LOW BUDDED.

LILAC Marie Legraye, pot-grown.

CLEMATIS, extra strong.

AZALEA MOLLIS, dwarf and standard.

ENGLISH IVY, 4 to 5 feet long.

SPIRÆA JAPONICA, strong clumps.

Kalmia, Rhododendron, Snowball, and other Nursery Stock.

L. C. BOBBINK, RUTHERFORD, N. J.  
Branch at the Horticultural Co., Boskoop, Holland.

## CHOICE SEEDS.

PETUNIA GRAND. FIM. FL. PL

The largest and finest strain of double fringed and mottled Petunias to be had. All who see these Petunias say they are the finest they ever saw. Extra.

VERBENA GRANDIFLORA.

An exceedingly fine collection of Giant flowering varieties; flowers one inch in diameter of the most showy colors. My customers write that this is the finest strain of Verbenas they can get; requires no better evidence of superiority. Every florist should sow of it.

CYCLAMEN GIGANTEUM.

A magnificent collection of the finest giant flowering varieties; largest flowers and best colors.

Each, per trade pkt., 25c.; 3 pkts., 75c.; 6 pkts., \$1.00. I will be thankful to my florist friends for the many letters of commendation received during the past year.

JOHN F. RUPP, Shiremanstown, Pa.  
Mention American Florist.

## SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Seed for list.

WOOD BROTHERS, FISHKILL, N. Y.

When writing mention American Florist.

## Pansies Worth Raising.

Good medium sized plants from frames, \$5.00 per 1000. All others inaccessible at present. Cash with order.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.  
Near West Side Ave. Depot of Newark & N. Y. R. R.

## DO YOU WANT CARNATIONS?

If so, why not GROW the BEST?

50,000 ROOTED CUTTINGS, including Daybreak, Wm. Scott, Goldfinch, Lizzie Gilbert, Emily Pierson, Lizzie McGowan, Tidal Wave, S. Spray, Hinz's White, &c.

Can do you justice in quality and price. Write me before you buy. Address CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

## ROOTED CUTTINGS OF VERBENAS,

75 cents per hundred. Good kinds.

PELAGONUMS, from 2 1/2-inch pots, \$1.00 per hundred. Good varieties.

S. O. BRANT, Clay Center, Kan.

## San Francisco.

New Years trade was about the same as last week; that is very satisfactory. Everything sold well. Violets especially were exceptionally fine and prices ruled about the same as Christmas week, the same with roses and carnations. The shipping trade to Portland, Salt Lake and other cities was reported as very brisk also, violets, chrysanthemums and roses being the principal stuff sent there. The absence of rain here lately is making the outside stuff look pretty badly.

Mr. M. Lynch of Menlo Park has extended his nurseries there lately, having secured about 20 acres adjoining his place, which he intends to devote to violets, sweet peas and chrysanthemums.

Mr. Coles, who for years has had charge of the conservatories in Golden Gate Park, resigned his position last week on account of ill health, and has gone to the springs where he hopes to recuperate. The green-houses never looked finer than when in charge of this gentleman, and we all look for his speedy recovery.

The attention of a great number of the trade is being called to the great Catholic Theological Seminary at Menlo Park in the laying out of the grounds. They comprise some eighty acres, and are to be laid out on a magnificent scale with lawns, shrubs, statues, etc. All the work is to be done by Mr. Lynch, who has full charge, and when completed will be one of the finest places in the state.

METEOR.

## Tacoma, Wash.

H. M. Manike has removed from his old place on Center street to 6th and L streets, and has built two houses heated by hot water.

F. R. Michke, formerly of Indianapolis, has built two houses on 11th and Q streets for general florist trade.

Mrs. Lena M. McCoy has closed her store on Pacific avenue and has opened a new store in connection with her green-houses on C street.

The Tacoma Gardeners' and Florists' Association was organized by local gardeners and florists on December 16, '95. The following officers were elected: President, E. R. Roberts; vice-president, F. C. Smith; secretary, Bruno Lehmann; treasurer, H. Manike; trustees, A. A. Hinz, W. Russell, J. Tillin. B. L.

E. C. LUDWIG, the florist of Allegheny, Pa., issued a very handsome floral calendar for 1896, of which he sends us a copy.

## CARNATIONS

50,000 ROOTED CUTTINGS now ready; all taken from good healthy plants;

THOMPSON, a good clear pink, similar to Scott, CARLEIDGE, SCOTT, DAYBREAK, BUTTERCUP, PORTIA and MCGOWAN. Write for prices.

THOMPSON BROS., Kennett Square, Pa.

## CARNATIONS—Rooted Cuttings.

DAYBREAK, TIDAL WAVE, SILVER SPRAY, LIZZIE MCGOWAN LOUISE SINGLER. \$2.00 per 100; \$15.00 per 1000.

## GERANIUMS—Rooted Cuttings.

\$1.50 per hundred. 2-inch pots, \$2.50 per hundred.

C. LENGENFELDER,

Berdeau and Webster Ave., CHICAGO.

## CARNATIONS—Rooted Cuttings.

Scott, \$1.50 per hundred; \$12.00 per thousand. All standard varieties \$1.00 per hundred. Also Cuttings of all kinds of bedding stuff and Chrysanthemums.

JACOB RUSSELL, 102nd and Clinton Sts., Chicago.

# THERE MUST HAVE BEEN A LASTING IMPRESSION MADE

on all the carnation growers who visited the American Carnation Society at Boston in February, 1895, and who saw the plant and flowers of **DELLA FOX**. It must have been beyond the ordinary as in our correspondence it is almost a daily occurrence to have it repeated that we saw it at Boston last February and in an order to-day for 500 rooted cuttings the party had seen it at Boston but had never seen it advertised in the trade papers, but he knew a good thing **when he saw it**.

We will endeavor to refresh the memories of all those who might be so absent-minded by a repetition of our display at the American Carnation Society at New York on February next of both these sterling varieties—**Della Fox** and **Annie H. Lonsdale**.

## COME AND SEE THEM.

One Hundred Dollars in Cash Premiums will be offered for the best 50 blooms of **DELLA FOX** in the fall of 1896—divided in the four largest cities in the U. S.

**ROOTED CUTTINGS.** Price: Less than 100, \$12.00 per 100. 100 @ \$10.00 per 100. 1000 @ \$75.00 per 1000. READY MARCH 1st, 1896. No orders will be booked unless cash accompanies order or satisfactory reference given. Sample cut blooms will be sent to florists' clubs only on application.

**MYERS & SAMTMAN, Wyndmoor, Chestnut Hill, Phila.**

## ROOTED ROSE CUTTINGS

From choice flowering wood free of disease and well rooted.

American Beauty.....2½ cts  
Brides.....1½ cts  
Bridesmaids.....1½ cts  
Meteors.....1½ cts

## ROOTED MUM CUTTINGS

Choice, strong and well rooted, 1½ cts.

BONNAFFON, JEROME JONES,  
DAILLEDOUTZE, INTER OCEAN,  
LIPINCOTT, QUEEN,  
WHILLIN, IVORY,  
LINCOLN, DOMINATION,  
VIVIAN-MOREL, NIVEUS,  
HARRY BALSLEY.

## KATE B. WASHBURN,

The earliest white (New), 2-inch pots, 10 cts.

If ordered sent by mail the cost of the postage must be added. No order of less than 100 cuttings will be filled at these prices.

**Bassett & Washburn,**  
HINSDALE, ILL.

## NEW CROP

Cibson's Progressive Verbena Seed, an advance on all previous productions. Well grown specimen flowers of many of the kinds 1½ inches across and easily span a silver half dollar, and of the most intensely brilliant and varied colors. In the mixture per trade pkt. 25c; ½ oz. 50c; per oz. \$1. White Plumbe, separate, per trade pkt. 30c; ½ oz. 60c; per oz. \$1. Purple, with distinct white eye, per trade pkt. 30c. Trial pkt. 10c, either kind.

Petunia Cal Giant, finest selection, per 100 seeds 60c. Single fringed, Drier's selected stock, per 100 seeds 10c. The Wonderful Dakota Primrose, 2 to 4 inches across, 10 seeds 10c. Scabiosa Snowball (pure white) and mixed colors, per pkt 5c; trade pkt. 25c. Dwarf French, gold striped Marigold, pkt 5c; trade pkt. 25c. Verbena, stock plants, 3-in. including latest novelties labelled, \$4; mixed \$3; from flats, labelled, \$2.40; mixed \$2; rooted cuttings 90c per 100; \$8 per 1000.

**No disease. We grow the largest Verbenas known.** Variegated Vincas, strong field-grown, 3-4 in. 5 to 8 shoots, \$5; nice young plants, flats, \$2; rooted, \$1 per 100, \$8 per 1000. The beautiful new Star Cannas, the set of 15 magnificent kinds, \$4, 3 and 4-inch. Dry roots, single eyes, \$6 per 10 all named. Mixed Crozy Seedlings, dry \$3 per 100. For other interesting specialties see descriptive list, gratis.

All reliable stock sent post free and every risk assumed by me. While good satisfaction I guarantee, Your continued favors is my plea; Address cash with order, please. Very truly yours for service,

J. C. CIBSON, Woodbury, N. J.

## Palms &amp; Ferns.

Our 17 collection, 3 & 4-inch \$3, 34 for \$5; 10 4 & 5-inch \$3, 50, 20 for \$8; 6-10 in. for \$5. All good selected varieties. Special sale: Choice FERNS, \$5.00 and \$6.00.

ROSES AND GERANIUMS, LABELS,  
MOSS, ETC.

WILLIAMS & SONS CO., Batavia, Ill.

## CARNATIONS.

## Rooted Cuttings.

Perfectly clean and healthy, and will be well rooted when sent out.

50,000 ready Jan. 25 and later.

## VARIETIES:

DAYBREAK, WM. SCOTT, MCGOWAN, PURITAN, SILVER SPRAY, TIDAL WAVE, MME. ALBERTINI, EMILY PIERSON, PORTIA, HELEN KELLER, at \$1.50 per 100; \$10 per 1000.

BOUTON D'OR, best yellow, \$3 per 100; \$25 per 1000.

TERMS CASH WITH ORDER.

MAGNUSON & PEARSON,

Bowmanville, Station X, CHICAGO.

## ELDORADO

The best YELLOW CARNATION in this locality: bears large, well-formed blooms on strong stems. Winner of two first prizes Penna. Hort. Show, Nov., 1895. Flowers brought \$6.00 per 100 wholesale at Christmas.

Rooted Cuttings \$5 per 100; \$40 per 1000.

JOHN WELSH YOUNG, Germantown, Pa.

## IVORY, NEW WHITE CARNATION

Closely resembling Wm Scott in growth of plant and abundance of bloom. Flowers pure ivory white, of good size and fine form.

ROOTED CUTTINGS ready March 1st, \$10.00 per 100; \$75.00 per 1000.

Send for complete price list.

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50,000 Rooted Cuttings of the leading market varieties of

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Also thousands of Rooted Cuttings and Stock Plants of sixteen of the newest and best premium varieties of CHRYSANTHEMUMS, all at the lowest possible prices for cash. Address

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**CARNATIONS.****WHAT'S THE USE OF DOING BUSINESS FOR NOTHING**When you can make money  
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Triumph,  
Scott,  
Della Fox,  
Rose Queen,  
Daybreak,  
Albertini.**WHITE**—Storm King,  
Alaska,  
Annie Lonsdale,  
McGowan,  
**RED**—Meteor,  
Jubilee,  
Portia.**YELLOW**—Goldfinch,  
Kitty Clover,  
Eldorado,  
**VARIEGATED**—Helen Keller,  
Armadillo,  
Minnie Cook.Our Carnations were awarded the *Magnificent Silver Cup* offered by James Dean. Also the *Special Silver Cup* offered by the *National Live Stock Association*, Madison Square Garden Flower Show, for the best displays of Carnations. While the competition was sharp, the judges unanimously awarded the prizes to the Cottage Garden Collections.IT IS CONCEDED that there is no money in growing common stock. **MORAL:** Buy the *Prize Winners*, learn how to grow them, get to the front, secure your share of the high class trade and make something.

LET THE "CROAKERS CROAK," BUT GET THERE YOURSELF.

SEND YOUR ORDERS EARLY,  
AND SEND THEM TO**C. W. WARD, Mgr., QUEENS, L. I., N. Y.****CANNAS** Ready  
Now.

Geranium Cuttings all sold.

**CHRYSANTHEMUMS** in  
Season.In reply to numerous inquiries we wish to state that the sale of our **CARNATION FLOWERS** has been placed in the hands of**JOHN YOUNG, 51 W. 28th St., N. Y. City.****Carnation Orders  
BOOKED NOW.**Good, clean, well-rooted stock. **NO RUST.**

	Per 100	Per 1000
BRIDESMAID.....	\$5.00	\$50.00
METEOR.....	5.00	40.00
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UNCLE JOHN.....	3.00	25.00
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E. A. WOOD.....	3.00	25.00
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**CHRYSANTHEMUMS.**

	Each	Doz.	100
Mrs. W. C. Egan, new (ready March 1).....	.50	\$5.00	\$35.00
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LA FAYETTE, IND.****CARNATIONS**Orders solicited for **ROOTED CUTTINGS.**  
**KOHINOOR** takes the lead.Other Novelties of the Standard sorts at standard prices. All healthy and strong.  
**C. J. PENNOCK,**  
The Pines. **KENNETT SQUARE, Chester Co., PA.****CARNATIONS  
PEACHBLOW.**

Rooted Cuttings ready April 1st, '96, \$5.00 per 100, and \$45.00 per 1000.

Book your orders early and be sure that you will get them. Sample blooms sent free.

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NEW AND TESTED  
CARNATIONS.****HERR'S CARNATIONS.****ROOTED CUTTINGS** that will give good results, because they are taken from healthy stock, and will be well rooted when sent out.**VARIETIES**—McGowan, Mrs. Fisher, and Alaska, the best of all whites. Daybreak, Scott, Aurora, Sweetbrier, Rose Queen, Peachblow, Dorner, Stuart, Portia, Jubilee, Buttercup, Eldorado, Kitty Clover, Keller, Iago, and Meteor, the best of all dark ones. Thomas Cartledge and Wave; also all the Novelties, including Annie Lonsdale and the hit of the season DELLA FOX.

Don't place your order before writing to me. I have fourteen large houses full of Carnations and think we can make a deal. In asking for prices please state how many you will want of each variety and when they are to be delivered.

L. B. 496.

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**The Crack Carnations:****SCOTT, ALBERTINI,  
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Selected Cuttings, well rooted in sand and soil, delivery February 15th and later, \$2.00 per 100; \$15.00 per 1000.

Send your order at once, with cash, to get these figures . . .

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ALPLAUS, N. Y.****WM. SWAYNE,**P. O. Box 226. **KENNET SQUARE, PA.****CARNATION SPECIALIST.**Price List of New and Leading Market sorts now ready.  
Mention American Florist**CARNATIONS, Strong Plants in  
Cold Frames.**

E. G. HILL, PORTIA, FRED. DORNER, EDNA CRAIG, MME. ALBERTINI, WM. SCOTT, MRS. HITT, \$5.00 per 100.

All other kinds sold.

Terms, cash with order.

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The two leading varieties

**Alaska and Minnie Cook.**Buy from the originator and procure genuine stock. **CUTTINGS NOW READY.**

— ALSO —

**ROSE QUEEN, DAYBREAK, WM. SCOTT,  
VAN LEEUWEN, TIDAL WAVE, Etc.**

Write for price list.

**MCCORNAC & CO., Paterson, N. J.**  
Successors to H. E. CHITTY.**Eldorado, Kitty Clover**The best **YELLOW CARNATIONS** to grow for profit. **ROOTED CUTTINGS** now ready, @ \$5.00 per 100. Also 30,000 strong rooted cuttings of suitable kinds for summer bloom.**LADY CAMPBELL VIOLETS**, rooted runners, @ \$1.00 per 100; \$8.00 per 1000.**W. R. SHELMIER,**  
Chester Co., **AVONDALE, PA.****CARNATIONS, ROOTED  
CUTTINGS****ALASKA**, the coming white.  
**PEACHBLOW**, fine pink

And all other new and standard varieties.

Please let us know how many and what kinds you want, and we will give you lowest cash prices. All our plants are warranted to be perfectly clean and healthy, and well rooted. Ready now.

**H. Weber & Sons, Box 57, Oakland, Garrett Co., Md.**



## St. Paul.

Trade has been good since the holidays. Contrary to expectations there has been a good demand for everything in the floral line.

Stock is good but scarce. Retail prices are as follows: Roses \$1.50 and \$2 per dozen, carnations 50 and 75 cents, valley, Romans and paper whites 75 cents, violets 50 cents per bunch.

We have had some very severe weather, which taxes the boilers to the utmost; and some very mild weather when steam was hardly necessary. In this section of the country, coal is the principal item of expense during the winter months, and every mild day is hailed with delight.

The Society of Minnesota Florists passed a very pleasant and profitable evening at their last meeting January 9, at the West Hotel, Minneapolis. The subject for the evening was roses. Mr. J. Souden of St. Paul read a paper embodying the results of his experience. This was followed by a practical discussion of the subject by those present.

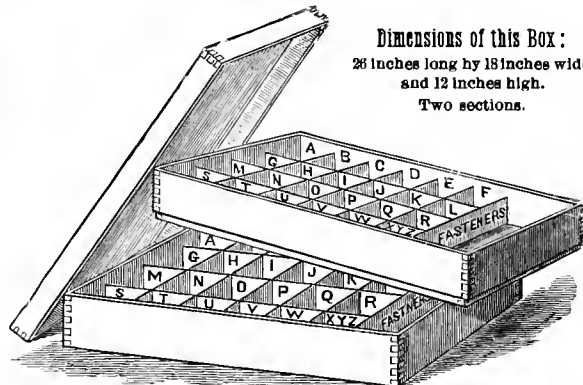
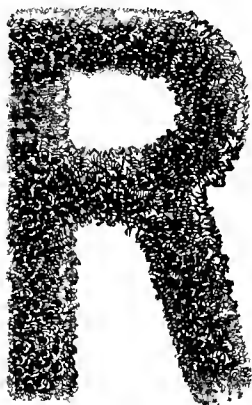
The committee appointed at a former meeting to interview the managers of the State Reform School reported the results of their labors. This institution (the Reform School) located at Red Wing has quite a range of glass devoted to plants and flowers. For some time past it has been selling its products at a very low figure to a Minneapolis department store. This store in turn sells them at a low figure and the brethren in our sister city, protest against it. The Reform School is maintained by the state, and florists in common with others are taxed for its maintenance. To have the products of this establishment sold in competition with their own, works an injury to the growers, hence the protest. We shall await with interest the final outcome.

J. Vasatka and Jacob Hartman have secured the contract for supplying the parks of Minneapolis with bedding plants another season. FELIX.

MR. E. A. WOOD has given up his position in Denver and has returned to West Newton, Mass. He and his wife spent last Wednesday in Chicago, and went from there to Adrian, Mich., to spend a day with Mr. Elmer D. Smith.

**H. BAYERSDORFER & CO.,**  
WHOLESALE  
**FLORISTS' SUPPLIES ONLY,**  
58 N. 4th Street,  
PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.



Dimensions of this Box:  
26 inches long by 18 inches wide  
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Two sections.

This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

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OUR NEW SCRIPT LETTER, \$4.00 per 100.

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These Letters are handled by all the Wholesalers Boston.

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The Henry Phillips Seed and Implement Co., Toledo, O.  
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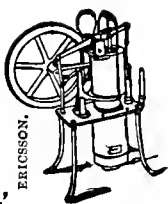
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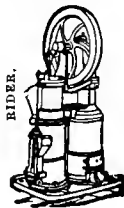
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PUMPING  
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Their operation is so simple and safe that a child can run them. They will pump water from shallow streams or any kind of well. They can be arranged for any kind of fuel. Capacity 1,500 to 30,000 gallons of water a day, according to size.

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Terms—Net cash with order. If ordered shipped by freight, add 50 cents cartage.

Size	Packed in Crates of	Gross Weight per 1000 pots	Per 100	Per 1000
2 1/2 inch.	1,000	about 20 lbs.	\$0 25	\$2 40
2 3/4 "	1,000	" 23 "	30	2 30
3 "	1,000	" 34 "	35	2 80
3 1/2 "	1,000	" 45 "	50	4 00
4 "	500	" 76 "	90	5 00
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5 "	500	" 150 "	1 50	13 35

Less quantities than full crates at 100 rates.

F. W. BIRD & SONS, Manufacturers.

Address orders to our General Agents,

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## Horticultural Manure

contains more plant-food in *one hundred pounds* than is contained in *one ton* of any natural manure.

### Liquid Manure

made from it is cleaner, cheaper and better than from any other source.

In 10, 25, 50 and 100 lb. packages for florists' use. Write for trade prices and pamphlet.

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**WHITE DOVES**  
FOR FLORISTS.

Largest and finest stock in the United States. Write for prices to

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**FLORISTS' SPECIAL COLORS:**  
American Beauty, Mermet, Violet,  
Narcissus, etc. Samples free.

Cash with order. . . . . Reference: THORLEY.

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**GLASS** For Greenhouses, Conservatories,  
Graperies, Hotbeds, and all other  
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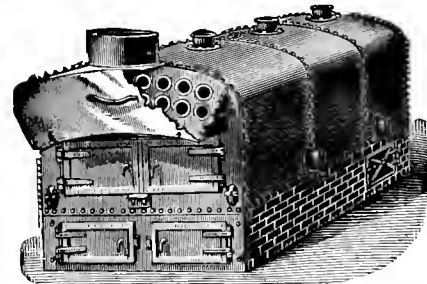
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Get our Figures before buying Glass.

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Estimates freely given.

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IMPROVED  
**Greenhouse Boiler,**  
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Boilers made of the best of material, sheet, firebox  
sheets and heads of steel, water space all around  
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Manufacturers of

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**Greenhouse Material,**

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**100,000 CANES**

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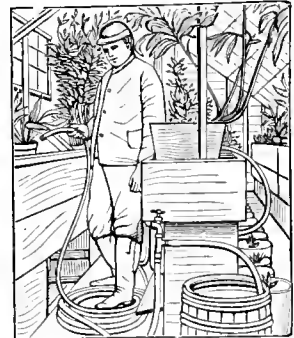
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**BULL DOG HOSE**  
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THE KINNEY PUMP.



THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass-plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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"They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill.  
"The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.  
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**Extract of Tobacco**  
**INSECTICIDE!**

A VERY STRONG NICOTINE SOLUTION.

Applied by boiling on small kerosene stove; evaporating pans; painting pipes; special steam cylinders; dropping red hot iron weights or fire-bricks into narrow pans containing diluted extract; or, by syringing. TRY IT!  
Price, 5-gallon can . . . . . \$5 00  
" 1-gallon can . . . . . 1 50

...PREPARED BY...

**Louisville Spirit Cured Tobacco Co.,**  
LOUISVILLE, KY.

**WOOD LABELS**

for Nurserymen and Florists.

**Wired Printed Tree Labels a Specialty.**

"Highly Commended" at the last Florists' Convention, as well as by all who have used them.  
Send for samples.

**BENJAMIN CHASE, Derry, N. H.**

## News Notes.

WINNIPEG, MANITOBA.—A. P. Horsman has sold out his business here.

STOCKTON, CAL.—P. G. Murray & Co. have opened a flower store here.

KENOSHA, WIS.—During the past season Lewis Turner rebuilt one of his old houses and added one new one.

LITTLE ROCK, ARK.—Holiday trade was good. Sold everything, even hyacinths. Prices a slight advance.

POUGHKEEPSIE, N. Y.—The Dutchess County Horticultural Society enjoyed its first annual banquet on January 8.

COBLESKILL, N. Y.—Chas. Limmer has added a new house 28x50, butting the glass, which system of glazing he considers a great success.

SHEBOYGAN, WIS.—The Paris Floral Co. (successors to Wm. Schucht & Co.) have sold out to J. E. Mathewson. The latter also started a seed branch in connection with his flower store.

HOBOKEN, N. J.—The North Hudson Co. Florists Club has its annual entertainment and supper on the evening of January 14. A large party was present and it was a most enjoyable affair.

TAUNTON, MASS.—E. F. Costeller has gone into bankruptcy. He has been conducting the Briggs greenhouses for some months as agent, it was generally understood, for a Miss A. M. Poree of Boston. He was in business in Quincy previously.

EASTON, PA.—Mr. Wm. H. Keller reports trade during Christmas week about 25% ahead of last year. Everything in the way of flowers sold readily, choice stock commanding good prices. The demand for holly, ground pine, etc. was far ahead of the supply.

LYNN, MASS.—At the meeting of the Lynn Florists' Club January 9 officers were elected as follows: J. W. Tapper, president; F. A. Smith, vice-president; Wm. Stone, treasurer; Jas. L. Miller, secretary; Wm. B. Newhall, librarian; executive committee, Wm. Miller, Irving Hayden and John Knights; entertainment committee, Henry Young, A. Lord and W. F. Newhall.

DAVENPORT, IA.—The Florists' Club has voted not to have a chrysanthemum show next fall. Frank Hitchcock is building a greenhouse 120x24. He expects to raise vegetables the first year and enter the florists' business. The present officers of the Tri-City Florists' Club are Wesley Green, president; Chas. Dannacher, vice-president; A. W. Vandever, secretary; I. H. Harrison, treasurer.



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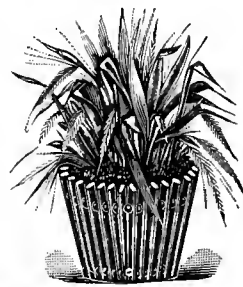
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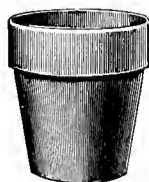
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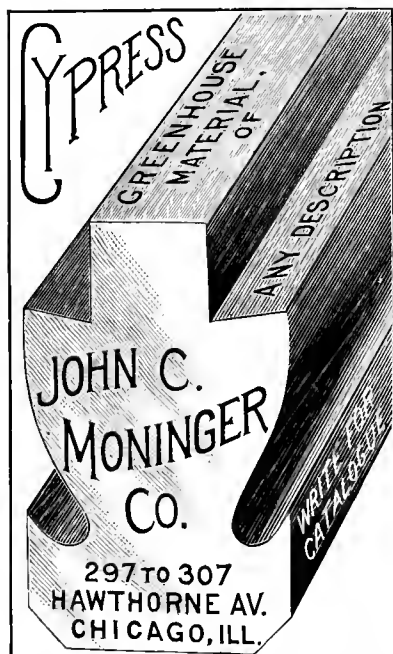
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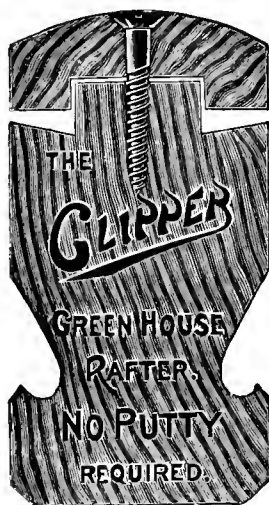
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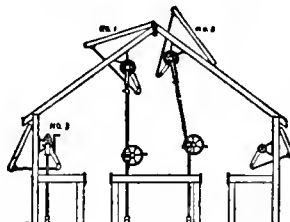
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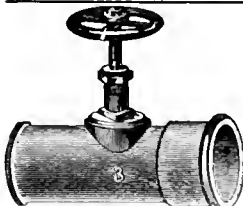
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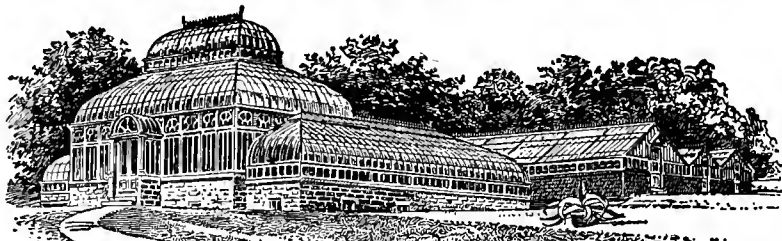
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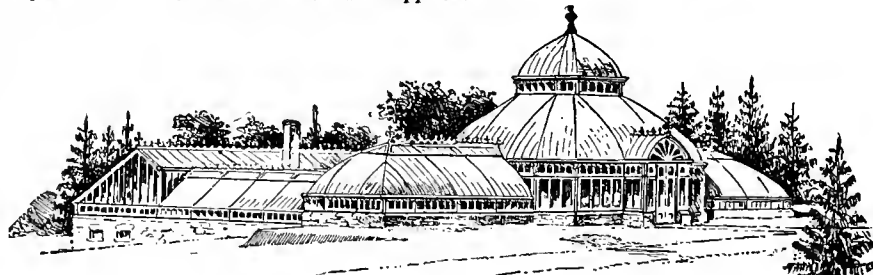
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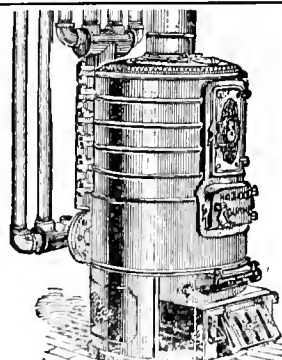
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Vol. XI.

CHICAGO AND NEW YORK, JANUARY 25, 1896.

No. 399

## THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY.  
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,  
P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

### SOCIETY OF AMERICAN FLORISTS.

WM. SCOTT, Buffalo, president; ADAM GRAHAM Cleveland, O., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The twelfth annual meeting will be held at Cleveland, O., August, 1896.

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THE RELATIVES of the late A. W. Bennett wish to express their heartfelt thanks and their deep appreciation of the kindness extended to him during his sickness and to his bereaved widow and children by the florists and gardeners and also the people of Pittsburg and Allegheny. GEO. E. BENNETT, for family.

SOUTH ORANGE, N. J.—Alex. McPherson has given up the greenhouses rented from Jacques Bros., and same have been torn down and sold to Thos. H. Spaulding, Orange, N. J.



A correspondent, J. H. C. of Ohio, has sent me samples of his rose plants, Bride and Bridesmaid, which are very yellow, and asks me to tell him what is the matter with them. They are undoubtedly affected with club root, caused by eel worm; at any rate the branches sent me have exactly the same indications that attend this pest, and if J. H. C. will lift one of his plants carefully to preserve the roots as much as possible, then wash the earth carefully fully away from them, I think he will find a number of small nodules about the size of a pin head attached to the roots. These though very small to look at, contain large numbers of these little animals. I have extracted frequently from samples sent by different correspondents from 15 to 20 live worms from one nodule, and in doing so of course a great many are killed by the operation of extracting them. This small lump has to be reduced to a soft pulpy matter in water, and no matter how carefully this is done I question if more than half can ever be gotten out alive. And here let me say once for all that the eel worm can never be seen by the eye alone. So many correspondents write that they can see small white worms, etc., moving in the soil, which they take for granted are eel worms. The genuine article can only be seen through the aid of a good microscope, and to get them down to a clearly defined outline requires from 250 to 300 degrees of magnifying power.

There is not the least doubt but this terrible pest is greatly on the increase in all sections of the country, and although there are some things which can be done to help check its ravages yet so far as I have tried at least there is no absolute remedy yet advanced, the best by a long way is to subject every particle of sand and all other compost used to a cooking process by steam, and nothing less than 40 pounds of steam will be sufficient. To do this it is necessary to build a pit or deep box through which steam pipes are run perforated with very fine holes, and when the pit is filled with soil turn on the steam, cover it perfectly airtight, and let the steam remain on at 40 to 60 pounds pressure long enough to make the whole body of soil reach a temperature equal to 235°—nothing less will be sure to kill. Probably many will say I am going to an extreme now, but such are the reports of all the best scientific men in the world

who have given this subject careful study and test, so that it's not my own opinion. Certain it is that our own experiment here carried on for several years confirms the above.

Your correspondent Mr. R. Simpson gives some good practical advice on this point in recent numbers of the AMERICAN FLORIST, but they do not cover the whole trouble—as presuming the above method were followed out to the letter and the house planted with good clean healthy plants the probability is that by mulching with manure you will find after a time that young clover plants will come up freely. Leave some of these long enough to get 8 or 10 leaves on, then dig them out carefully and the chances are three to one there will be a number of small round lumps or knob-like appendages to their roots. These one and all contain eel worms. Where did they come from is a question I will leave the finder to solve. There are several other important factors in this question of eel worms, which will and do affect the plants; these pests are present in the soil or manure or other things used. If the soil is ever allowed to become over-dry sufficient to give the plants ever so slight a check in their growth this pest will gain by it a strong foothold, and then trouble begins. Again I have seen plants that were apparently never allowed to get dry, in fact looked as if they had been from some cause continually kept on the wet side very badly affected, while others near them did not appear so. I will not assert that the plants had always been treated as above, but such was my impression.

Liberal waterings with clear lime water, also a solution of common washing soda, will be found a great help in keeping this pest in check at all times. To make lime water take about a 12-inch flower pot full of fresh lime, slack it as if for making mortar, then fill a 50 gallon barrel with it and clear water, stirring it well, allowing it to settle and get clear before using. With soda take one pound and dissolve in 50 gallons of water. These with careful cultivation will do much to prevent ravages of eel worm among the roses.

Summit, N. J.

JOHN N. MAY.

### Rose Notes.

In my notes on propagating I omitted several things connected with the subject, of more or less importance; so will revert to it again this week. Looking back over the past four months I find that Bridesmaid, Bride and Meteor have been the best selling roses, ranking as to demand in the above order, hence it would seem that all other things being equal these are the roses to grow in quantity. Bridesmaid has completely superseded C. Mcmet, and according to my experience it is a more prolific bloomer, so it would seem useless to grow the latter. The demand

for Bridesmaid has been almost equal to that of all others combined, both this season and last, so no one will make any mistake if they plant largely of this variety, provided of course their soil and other conditions are favorable. Brides is always in demand, but is not called for as much as Bridesmaid. Where Meteor can be given a whole house and special treatment it is the red rose par excellence. It is free blooming, a good grower, and the flowers when good will always bring a good price; but unless it is given a house where the night temperature can be kept up to from 65° to 70° it is not worth while to try to grow it. To have Bridesmaid, Bride and Meteor do their very best they should be planted not later than June, end of May is better; and to do this we must propagate at once. Perle is seldom seen in good form and the demand is light. Mme. Hoste has failed to secure popular favor, when well grown it is a very fine rose, and if it was a good seller it would be a very profitable variety, as its blooming qualities are unsurpassed. Mme. de Watteville it seems will have to take a back seat, it is a great pity too, for when well grown it is one of the most beautiful roses we have. It is a poor keeper, however, in a warm room, and the rose is apparently deteriorating, as the flowers seen this season almost invariably lack both substance and lustre. Souv. de Wootton is a good variety to grow if we are not prepared to grow Meteor, and must have a red rose, otherwise it is not a very satisfactory kind. Mme. Cusin seems to have been superseded by Mrs. Pierpont Morgan, which promises to become a sterling variety; I feel sure this rose has a future. Kaiserin Augusta Victoria, queen of summer roses, is of no use whatever as a winter bloomer, at least that is my experience. Testout is not in demand outside the large cities. Belle Siebrecht, what of her? I understand that she has got a black eye. The plants sent out last spring were so generally weakened by black spot that we should hesitate before passing judgment upon it. I think that with good care and the selection of the best and strongest wood for cuttings now we shall have a much stronger plant and finer flower next year.

Now as to taking cuttings, in a business where the plant trade is given a prominent place it is necessary to raise large quantities of young stock, and to do this blind wood must be used, but it is poor policy to cut out every shoot that will make a cutting, the result must be a weakening of the blooming plant, and a quantity of very poor cuttings. The best and I think the only good wood for cuttings is the ripened shoots (with or without buds) of the last growth. The wood should be bright and clean, the foliage hard and of a dark green color. There is nothing lost by being liberal as to size of cutting, we should always remember that we are laying the foundation for next winter's blooming plants, and if the foundation is strong and sound we have a right to expect the structure will be all right. If I have seemed to devote too much space to this subject please bear in mind that this is the most important operation of the season. Whatever important work I may feel obliged to delegate to more or less inexperienced men I always chose the very best man for the work of taking rose cuttings.

The cold weather and hard firing which are good for keeping down mildew and black spot furnish the proper atmospheric conditions for the rapid increase of red spider, and the only safety for us is pre-

vention. Syringe hard whenever the weather is favorable. The beds or benches are liable to dry out from the bottom rather than the top, owing to hard firing and frequent heavy syringings, and unless we make a careful examination of the soil daily to ascertain its true condition, we may suppose that everything is all right at the root when the plants are actually suffering for want of water in many parts of the house. Before taking the hose to syringe it is absolutely necessary that we examine every bench and find out where we must apply little, and also where copious watering is required.

Where a systematic feeding with liquid manure is contemplated, or has been commenced, I would suggest that great care be taken, it is so easy to make it too strong, especially is this the case with the highly concentrated manures such as nitrate of soda, etc. This winter I have been experimenting with Albert's concentrated manure, which came to us very highly recommended, and judging from the printed analysis it should prove a very valuable fertilizer. I used it in the form of liquid manure, making the same according to directions given, namely, 1½ pounds to 50 gallons of water, but found it much too strong; where it was used on tea roses the second application caused the young growths to shrivel, and it has had a bad effect on nearly everything on which we used it. Perhaps ¼ pound to 50 gallons would be sufficiently strong, I mention this to show the importance of going slow in the use of anything that is new to us. If commercial fertilizers will produce as good results as animal manures there is much to be said in their favor, but before we can use them to any great extent we must experiment, and if possible discover just how much of each is necessary for our particular soil. I have used nitrate of soda sometimes as liquid manure at the rate of a 3-inch pot full to 50 gallons of water, and had excellent results, and I have known others to recommend a solution three times as strong, it might have been necessary for their soil, but would have been much too strong for ours.

Hen droppings are valuable for liquid manure, but contain so much ammonia that an overdose is always possible, the same may be said of pigeon manure. A flour barrel full, if it is clean and fresh, will be sufficient for 7,000 gallons of water; twice that amount of sheep manure would be necessary, while of horse or cow manure it would require a two horse wagon load. Too much feeding is worse than none at all, an impoverished plant may struggle along and remain healthy, but one that is overfed will invariably suffer. Sometimes it shows itself in yellow foliage, at other times the leaves will scorch, and sometimes they fall off while quite green. Let us encourage them in every way we can, but not spoil their digestive organs by overkindness.

Hybrid roses that are setting bud should now have an abundance of liquid or other food. They might be watered with it twice in ten days from now until the bud shows color; the temperature should run up to 56° at night, with from 15° to 20° extra on bright days with good ventilation. If they are kept too cool the stems may stay short. Hybrid roses to be good must never have a check, but should move right along from the day they are pruned until the flowers are all cut.

ROBT. SIMPSON.

#### Earth Worms in Rose Beds.

E. P. L. asks for a simple way to remove earth worms from his raised rose

beds. Lime water has been used without effect. The best and simplest remedy I know of is tobacco water, made from the stems, the color of strong tea is about right; give the bed a good watering with this and pick off the worms as they appear; two or three doses of this will I think prove efficacious. I do not think lime forked in now would be of much use, as the worms are amongst the roots mostly. Don't forget that tobacco water is a good fertilizer.

H. YUELL.

Syracuse, N. Y.

#### Leaves Dropping.

Please tell me what it is that makes rose and smilax leaves turn yellow and fall off at this time of year. I applied a very light dose of cow manure water not any darker in color than weak tea just for trial, and that being two weeks past I thought it could not possibly have hurt them, but it or something did. Do you think it could have been the heat, as I several times left the ventilators closed a little too long in the morning, running temperature up to as high as 110°. Please state what you think cause it.

X. V.

Everything else being favorable the weak dose of manure water should not have caused the dropping of the foliage. They will do it sometimes without any apparent cause, but if X. V. has allowed the ventilators of his rose house to stay closed until the thermometer registered 110° he need not go very far to look for the cause of his trouble, in fact it would be surprising if the plants did not protest against being roasted alive. Would advise X. V. to give them more rational treatment in this particular; begin to open the ventilators at 65°, and set 75° to 80° as the maximum temperature, regulating the amount of ventilation in conformity with the temperature inside. I do not know of any plant that is more susceptible to sudden changes of temperature, or checks of any kind, than the rose when grown under glass, and if with the very best care and experience we sometimes fail to secure the best results, without the necessary attention we certainly have no right to hope for success.

ROBT. SIMPSON.

#### Eel Worms in Roses.

The accompanying rose plant is one of a lot that seem to have conspired. They grow soft and then suddenly shed their leaves and die. What is the trouble and how can it be remedied?

J. B.

The plant in question came duly to hand, and did not require any microscopic examination to determine the cause of its death. It is a very bad case of eel worm, and if inquirer's plants are all affected as badly as this one it will pay him better to pull them out and burn up, and use the space for some other crop. In the issue of January 4 a case similar to this is dealt with, to which I refer J. B., and would simply emphasize the necessity of change of stock and of soil for next season's work.

ROBT. SIMPSON.

#### Parent Stock of the Bridesmaid.

The accompanying engraving is from a photograph of the parent stock of the Bridesmaid rose, plants now four years old, in one of the houses of the originator, Mr. Frank L. Moore, Chatham, N. J. From the plants seen in the picture were



THE PARENT STOCK OF THE BRIDESMAID ROSE, NOW FOUR YEARS OLD.

propagated all the plants sent out, the stock of which is now so widely disseminated.



#### Ventilating Carnations.

I hold that on a bright sunny day—sky as clear as a bell—thermometer 30° in shade and northeast side of houses, and the opportunity to use any amount of artificial heat desirable, the plants should have air throughout the middle of day. My gardener claims that Mr. Dörner says no, plants must not be chilled, which is of course true enough, but is there any need of a chill? Is not that cold air sufficiently modified in passing through the air of the house, before it has reached the plants, to alleviate any such danger? And if we are not to ventilate when sunny and with a thermometer indicating 30° in shade, when and how many times a season should our plants receive a good breathing spell?

A. G. W.

I believe I have never expressed myself about ventilating on bright sunny days, for I took it for granted that everybody would use all the opportunity to ventilate on such days. The gardener of Mr. W. is certainly mistaken when he thinks that I entertain such ideas as not to ventilate at such times as stated in the inquiry. If any of my notes can be construed in such a way I would be pleased very much to learn where, so I can rectify the error.

I have said that when plants are housed

they become greenhouse plants and should be treated as such. With this I do not mean that where as a natural consequence the plants grow softer we should try to keep them in such a condition; no, to the contrary, our aim should be to prevent them from growing too soft, and try to keep them as near as possible to their outdoor hardiness. Again I said not long ago a low temperature or an abrupt change from high to low will cause bursting calyces, and gave my reasons why; and that the plants should never suffer a check from any cause whatever. In the field through September and October a night temperature of 40° to 45° will not hurt the plants in the least, but so low a temperature will hurt them in the house, owing to their being softer. Taking their nature into consideration, when I say we have to deal with greenhouse plants, I mean to try to keep them in as natural hardy conditions as possible, but to do this, owing to their softer growth under glass, we have to be more careful and give everything that is needful in the most judicious way possible. This is in explanation of what I suppose Mr. W.'s gardener may have taken his ideas from regarding my views on the subject.

The secret of a successful carnation culture is to understand the nature of the carnation, and more, to understand one's own plants, and to know when to give and when it is enough. Ventilation, a wholesome fresh air, is just as important to plant life as light and food, and owing to their hardy nature the carnation demands it. We follow these rules at our place. On bright sunny days, as Mr. W. alludes to, when the thermometer points from 65° to 70° in our houses, we commence to open the ventilators and try to keep the temperature to that point by opening more or less. We do this, no matter what the temperature outside in the shade may be, 30° or 20°. We do not look at the outside temperature; the inside has to concern us. When 70° to

75° inside the cold air coming in at the ridge will be well modified before it reaches the plants, and then we only let so much cold air come in to cool the hot air inside to the desired point. Plants may get chilled when the temperature at such a time falls below the regular night temperature. Our houses are all 20 feet wide, 10 to 11 feet high from ground to ridge, benches from 2 to 3½ feet high and ventilated from the ridge. In very low houses and where side ventilation is used cold air will certainly have a different effect. Now on cloudy days our temperature is 60°, and we try to keep it at that point, regulated by the steam heat. If there is not much wind and the temperature not below 30°, outside we ventilate, if only for one or two hours over noontime, and even if we are forced to put on a little more heat during that time to keep the temperature up to the desired point. Our night temperature is 55°, or as near to that as possible.

FRED. DÖRNER.

#### Carnation Notes.

I received an inquiry as to what are the best four varieties to carry a small florist through the year. If this inquiring had come from my own neighborhood I would have my experience to guide me in naming them, but as it comes from Connecticut, a thousand miles away, I would have to base my recommendations on reports. What I consider the best four varieties may not prove to be so a hundred miles away. I shrink from answering such a question, as it may be misleading to others and not even hit the questioner. It is safe to say that Scott, Day-break, McGowan and Portia are the four varieties most generally grown, and yielding large crops. Whether they are the four best is another question. I consider it always the safest to find out what grows and sells best in the immediate neighborhood and try a small number of newer varieties, to find out if there is not



any better for my location. Goldfinch is an illustration. We sent that variety out two years ago; we did not claim anything extra as to its merits, only recommending it as a good growing and free blooming yellow variety that may prove valuable where Buttercup is a failure. And to-day this variety comes to the front in many places, and I am well convinced has proven very profitable, and gives even more satisfaction than it has so far done to me. FRED DORNER.

#### American Carnation Society.

The premium list and entry blanks for the exhibition to be held in conjunction with the New York meeting have been mailed to all the members of the society. Anyone not a member can obtain them by applying to the secretary.

Makers of and dealers in carnation supports will have an opportunity to bring their wares before the growers at this exhibition and there should be a good exhibit. The exhibition promises to be the largest and best ever held, and an exhibition that no carnation grower alive to his own interests should miss seeing.

Ample time has been allowed for the "question box" in the proceedings of the meeting and anyone wanting questions answered on any points relating to carnations can mail them to the secretary. Secretary's address to February 15 is Albert M. Herr, Lancaster, Pa.; February 15 to February 22 Grand Central Palace, Lexington avenue and 43rd street, New York.

#### Blighted Buds.

The correspondent who sends specimen buds which he thinks are blighted is unduly alarmed. I can find nothing whatever wrong with them. There is an occasional spot of bacteria on the leaves, but no more than can be found on the best grown plants anywhere. I think that the buds will develop all right.

FRED DORNER.



#### Judging Chrysanthemums.

In an article in the *FLORIST*, page 534, Mr. W. N. Rudd criticises the division of points in the judging of seedling chrysanthemums (cut flowers), and I think the point he makes in favor of stem and foliage is well taken. At the same time if the list of points is carefully considered by the judges it would not make so much difference in selecting the varieties we want to try, if we don't select by the grand total of points given.

But how is it if a variety receives 100 points, as in the case of Mrs. Perrin by the committee in New York? I have been fortunate enough to see the variety displayed in Indianapolis and Dayton, and have to give it great credit, especially in color, which is very fine, but at the same time not perfect, and so not entitled to 25 points. In form it certainly can be improved, also to fullness. If that variety carries the full 15 points, what will they

do with Irma and Helen Bloodgood? Stem and foliage may come the closest to it yet, but there even I don't admit that we have reached the zenith. Petalage will suffer the same as fullness, which can easily be doubled, and there would be room for them all. If in size it carries all the points, what do you expect can be done with President Smith, Viviani-Morel, Mrs. Potter Palmer, Eugene Dailedouze and a great many more?

This is not written to disparage the variety mentioned, but simply to show that we have a great deal to work for yet. I believe it will be impossible for any man ever to have a seedling chrysanthemum, or any other flower that should be entitled to 100 points in judging.

THEO. BOCK.

#### Chrysanthemum Wm. Simpson.

The accompanying engraving shows a bloom of this new pink chrysanthemum which has received so many endorsements by various societies, including the Chrysanthemum Society of America. It was pronounced by the judges of that society a decided acquisition among early pink chrysanthemums. It originated with Mr. Joseph Heacock of Wyncote, Pa., who is now introducing it.

#### The Lady Campbell Violet.

I have read many articles in different publications in regard to the Campbell violet, but have never seen the statement made that it required different treatment from other varieties. That fact I learned to my sorrow. I was so greatly impressed with its merits the first time I saw it in bloom that I bought enough stock to plant three houses. The plants made splendid growth in the field and flowered well until cold weather came about Christmas time. With 40° and sometimes less at night and 60° by day I had always grown the other kinds successfully, but now the buds would not unfold, or if they did gave pale or speckled flowers, small and almost worthless. A fourth house had a bunch of Campbell and one of M. Louise. The latter I had success as usual with, but the Campbell did poorly.

Mr. Huebner, of whom I bought my stock, visited me in February but could see no cause for failure unless I kept the plants too cool. I immediately raised the temperature to 45° and 50° nights and 65° or more days and those dormant buds flew open like pop corn over a fire (although perhaps somewhat less rapidly), the size, color and fragrance became what I had hoped for, and I had no trouble in selling them. This is my third winter with the variety and I have had no trouble with it since. It certainly is not a cold frame variety unless one is contented with a fall and spring crop. It blooms in house or frames at least two weeks longer in the spring than M. Louise, which is sufficient to prove that it likes more heat.

It is a grand violet when well grown, but I feel sure that the Farquhar will displace both it and M. Louise, to a great extent at least. This originated within a mile of my place and I have watched it carefully for three years. This winter I have a stock of my own which I am increasing as rapidly as I can, as it is in great demand. With me it is the healthiest and most vigorous of the eight varieties I have, with at least the productiveness of the Campbell, and darker and more double than M. Louise. I have been faithful and true to Marie Louise for fifteen years, and she never was un-

kind to me but once; but the new one is more healthy, more beautiful, more blooming, will bring me greater wealth (so I fondly hope) and why should I be blamed if I care no more for Marie Louise.

The fifty blooms of Farquhar shown in Horticultural Hall last Saturday, January 11, by Mr. McKay, from Dr. Nevin's place, were admitted to be the largest ever shown in Boston, and far surpassed the M. Louise and Campbell from the same grower. A certificate of merit has been given it by the Mass. Hort. Society. Roslindale, Mass. C. E. WELD.

#### Mottled Violets.

Can any of your readers explain why violet blooms should grow mottled in color? Purple and green for instance, while other blooms on the same plant will appear as they should. Would a very careful application of nitrate of soda, say a two thousandth part, be advisable? Can it be because they lack a certain kind of nourishment? The soil is pretty rich, yet not I think too much so. A. G. W.

I presume from A. G. W.'s letter that his plants are very strong and probably grown too cold, which will cause "green heart" in violet blooms. Should this be the case increase the temperature of house. Greenfly is also an insidious enemy of the violet, causing the blooms to become spotted with white, and for this I would recommend the evaporation of nicotine as being superior to smoke, there being no danger to the plants if properly evaporated. I would advise an eight hundredth part instead of two thousandth part of nitrate, if he wishes to use it. A few applications will do no harm and probably much good.

GEORGE SALTFOED.

#### New York.

The funeral of Mr. A. W. Bennett, whose untimely death was recorded in our last week's issue, took place at his old home in Flatbush on Sunday, 19th inst. The attendance of sorrowing friends and fellow craftsmen from Flatbush, Brooklyn and New York was very large, in fact it would be easier to enumerate those who were not there than those who were, including all classes from the most prominent to the humblest members from every branch of the profession. The remains were accompanied from Pittsburg by Mr. Bennett's assistant superintendent, Mr. Geo. Burke, Mr. Harrison of Schenley Park, Mr. Woods and Mr. Bingham of Pittsburg. The floral tributes were numerous and beautiful. From Pittsburg came a large wreath, the offering of the Pittsburg and Allegheny Florists' and Gardeners' Club, a Masonic design from Pittsburg Lodge F. and A. M. and eight other very handsome pieces, including one from Mr. Scott of Buffalo. The Flatbush Florists' Bowling Club sent a large broken column, the New York York Florists' Club a standing anchor, Geo. M. Stumpp a wreath of violets, lilac and roses, Dailedouze Bros. a standing wreath of Beauties, carnations, daisies and mignonette, C. A. Dards a wreath of Bride roses, J. H. Troy a pair of cypress leaves with cluster of *Cœlogyne cristata*, Wocker Bros. a standing wreath, C. W. Ward a bunch of Storm King carnations, Chas. Zeller and family a standing wreath of roses and pansies with base of Scott carnations, Foster Bros. a galax wreath, A. Demusey a wreath of Scott carnations, D. Y. Mellis a wreath, T. Ascott a wreath of ivy, E. Asmus, Short Hills, a bunch of



CHRYSANthemum WM SIMPSON

Bride roses and Henry Hession a bouquet of Swansona alba.

The cut flower trade goes on in a rather sluggish manner with very little that is worthy of special comment. Carnations seem to drag, that is, the ordinary or inferior stock, and prices on fancy varieties are maintained with some difficulty. Carnation growers are looking forward confidently to the Carnation Society's meeting and exhibition next month, which it is believed will have a beneficial effect on their industry and give the required impetus to the carnation trade in this city. It is understood that this has been the result in other cities where the meetings have been held in the past and that the good effect has continued through the season. The inclemency of the weather, which interferes with the sale of flowers on the street, affects carnations possibly more than all other flowerers combined, and the advent of sunnier days will undoubtedly help sales greatly, but on the other hand these conditions will bring in a largely increased cut. The carnation houses everywhere are literally loaded with buds and the indications are good for an enormous spring crop. John Birnie, who does business in a quiet way over in West Hoboken, has one house of Scotts and Daybreaks which he estimates shows at present one hundred thousand buds and it isn't a great year for carnations with John either. He grows but four varieties, Scott, Daybreak, McGowan and Tidal Wave, and uses no supports of any kind for the stems, yet they stand up all right. He is at work now busy propagating

geraniums for spring sales, and some of these days he will dump the whole carnation outfit and fill up the space with bedding plants.

Perhaps the most noticeable point about the roses coming in this season is the great preponderance in quantity of Brides and Bridesmaids and the steady advance in size and general quality of the latter. Never before has Bridesmaid been grown to such perfection; indeed there were many growers who a year or two ago would not acknowledge that it could ever be grown to the size and strength that had been attained by Mermet, but it now outstrips Mermet in every good quality and the limit does not seem to be yet reached. The theory of varieties "running out" does not seem to hold with Bride, Bridesmaid, Meteor or Cusin roses, all of which, through a better understanding of their requirements by the growers, are now done better than ever before. The American Beauty continues to be a most refractory subject. With many growers noted for their success in almost everything they undertake it plays woeeful tricks and like the little girl, "when she is very good, but when she is bad she is horrid."

Violets vary greatly in quality and prices vary accordingly. There is no flower about which buyers are so particular as violets and none in which the inferior grades are so hard to dispose of. The manner of bunching also goes a long way, and a skillful buncher can do much toward making an inferior violet show up well, when really good flowers are often rendered unsalable by neglect of this very

important point. Stored lily of the valley is all gone now and the market has to depend upon the new crop. It is, as usual, pale and deficient in foliage. Tulips are coming with lengthened stems and fuller petals and double daffodils are unusually good for the season. Roman hyacinths are less abundant than they were; consequently there will not be so many thrown away.

The demand for orchids seems to be on the increase. Cattleyas are very generally handled by the leading florists in their daily work and enter largely into all first-class decorations. There is no time of the year when the demand for white orchids can be met. A grand opening exists for someone to go largely into *Odontoglossum crispum*, *Dendrobium formosum*, *giganteum*, *Coelogyne cristata* and other choice white bloom. Julius Roehrs is cutting heavily from *Cattleya Trianae* at present, of which he has several thousand plants. They hang overhead in the palm houses and thus the space is made to do double service. A visit to Mr. Roehrs' lilac house just now is a treat. The enormous bushes are bursting into bloom all over. Preparations for Easter are already under way here and paeonies, rhododendrons, laurels, lilies and azaleas are seen in almost countless ranks.

M. Hansen, the lucky owner of the pink Ivory chrysanthemum has another novelty in training for future introduction, viz, a hairy incurved sport from W. H. Lincoln. Mr. Hansen follows his chrysanthemums with a crop of sweet peas. Blanche Ferry and Emily Henderson are the varieties grown. The latter variety he finds germinates very poorly.

On page 537 of the AMERICAN FLORIST the note in reference to Mr. J. J. Barry's retirement from the office of the New York Cut Flower Company was unfair to that gentleman, as his retirement was voluntary, not compulsory, as the note would indicate. Mr. Barry is now with W. H. Gunther.

Mr. Harry Siebrecht, Jr., was married to Miss Julia W. A. Thompson, at New Rochelle on January 10.

Gebhard Miller of West Hoboken died at his home on Weehawken street on January 9, aged 63 years.

Max Mosenthin of New Durham has been seriously ill for several weeks.

#### Toronto.

The sixth annual dinner of the Gardeners' and Florists' Association will take place at Harry Webb's banqueting rooms on Tuesday, February 4. From all indications it promises to be the best yet.

The old directorate was re-elected in toto at the meeting of the Electoral District Society on the 15th inst. The business was all fixed before some of the boys turned up. The president and two of the directors are horticulturists, and will serve in the Industrial Exhibition Association, and I hear that the new Horticultural Society is to be allowed two representatives in that association also; so that horticulture will be well represented this year.

The Steele, Briggs, Marcon Seed Co. have just completed a fine plant at the east end of the city. There is a comfortable and roomy brick dwelling for the foreman, large brick stables and loft for ten or twelve horses, a large brick barn or store house with four floors, including cellar for storing seeds, etc., and a block of six greenhouses 14x100 with shipping room, office and show house attached. One house is devoted entirely to roses, the others are used for propagating and

growing such plants as are chiefly used in the catalogue trade. They are heated by steam supplied from two boilers, one only of which has had to be used at a time, and ventilated throughout by the Evans machine. Mr. John Riggall, the foreman, who has been with the company for many years, feels justly proud of his charge. Everything in the houses looks clean, vigorous and healthy.

Business appears to have been pretty brisk all the week. Mr. Bunting's funeral (the marriage of his daughter was noted last week) brought out a good deal of design work and Mrs. Christie's ball in the Confederation Life Building called for a great many flowers. Out of town retail orders not quite so numerous this week.

Two of the departmental stores here have floral counters going full blast. Mr. C. Tidy thinks these stores are going to do great damage to the trade of existing retail stores. Will they? As I suppose this question is also agitating other cities a discussion on the subject would be apropos. I have an idea that the departmental stores will soon tire of this line owing to adverse conditions which do not effect those regularly engaged in the trade. E.

#### Philadelphia.

The January meeting of the Horticultural Society held last Tuesday evening in the hall of the College of Physicians, 13th and Locust, was well attended. First Vice-President Robt. Craig presided. President Clark reported for the building committee that the new hall was approaching completion and he thought it would be ready for occupancy in June. The standing committees for the year were announced, and from their composition there is no doubt but that the various departments of the society's work will be well conducted. Mr. Thos. Cartledge presented his resignation as treasurer. Mr. Cartledge has long filled this position to the entire satisfaction of the society, and it is with sincere regret that they part with so efficient an officer. Action on this matter was postponed until next meeting.

A very choice collection of carnations was exhibited by Mr. C. W. Ward of the Cottage Gardens, Long Island, there were three particularly fine vases, one each of Bridesmaids, Meteors and Storm King; they were probably better than anything ever exhibited before in this city. The Storm King received first prize for a vase of 100, while a similar vase by same grower of Bridesmaids received second. The vase of Meteors was awarded a certificate of merit. A vase of Eldorado by J. Welsh Young obtained special mention. C. J. Pennock exhibited a vase of Kohinoor, and E. G. Hill showed well grown specimens of Triumph, Jubilee and Armizinda.

Richard C. Kaighn and John M. Kaighn of Ellishburg, N. J., had a display of vegetables for the C. W. Clark prize, and were awarded first and second premiums respectively.

Prof. Bailey of Cornell is to address the society at its February meeting on the subject of hybridization. This will no doubt fill the hall, as the speaker is very popular in this city.

Business has improved slightly, but is far below what it ought to be at this season of the year. At this time it does not seem as if the first Assembly ball, the society event of the season, to be held on the 24th, would cause much of a demand for flowers. Orchids, at least the cattleya branch of the family, are scarce and poor. Roses are not overly plentiful, but as the

demand is light there are plenty for the stores and some left for the fakirs. Prices are about the same as last week. Carnations move fairly well, but the price is droopy, right fair flowers can be had for \$1, while good stock brings \$1.50, and the best \$2. Just now a tendency to go to sleep is quite noticeable, but as the stock is selling so slowly and can be said to be only on exhibition the tired feeling developed in most carnation shows is quite natural. Daffys are becoming plentiful and bring \$5 per hundred.

Edwin Lonsdale has been attending the meetings of the Penna. State Board of Agriculture at Harrisburg this week. Mr. Lonsdale has become quite a farmer and only recently delivered quite an entertaining discourse on carrots before a Phila. agricultural society.

Mr. and Mrs. John Burton celebrated their crystal wedding anniversary last Thursday evening. There was quite a gathering of their friends who extended congratulations and spent a very enjoyable evening.

The summons to appear issued by the Chicago Florist Club for its meeting January 23 to pass judgment on the carnations up for trial is a very original notice. The great red seal attending the document is about as large as carnations of that color are wont to be. It is evident that the Chicago boys are all right and a little enterprise of this sort might not be out of place in this neighborhood. K.

#### Buffalo.

After a week of dull business trade is picking up again. Carnations are coming in in increased quantities and the good quality all goes. Violets were expected to be very plentiful, but there's many a slip twixt planting the violets and picking the flowers. Harmon & Burr of Darien are the lucky fellows this year, as they are picking several thousand a week of the finest quality. As a relative of theirs remarked to the writer lately, "them fellows can throw a violet down anywhere and it'll grow." Palmer is cutting some fine La Reine tulips. Daffodils have not yet appeared in any quantity. They would go well if we had them. Mr. Dan Long has just returned from one of his flying eastern trips. Bouquet green and holly are now out of his mind, and he has at present an acute attack of carnation fever. The symptoms show an inclination to take the form of rooted cuttings. In his hours of delirium he has composed and published a very complete and attractive list of the varieties he will handle, and includes about all that is worth growing. If Bridesmaid is going to flower free enough, what a beauty it is! It will be as valuable as a carnation as its namesake is as a rose, and that is saying an awful lot.

Our local club lost one of its most active members in the death this past week of J. W. Constantine. He had retired from the retail business and devoted his time to growing roses and carnations in the village of Hamburg, where he resided. Mr. Constantine entered the florist business when an old man, but he was an enthusiast. He was a veteran of the war, well preserved, and intellectually a very bright man. There was a large attendance of the craft at his funeral. The pall bearers were Messrs. Cowell, Long, Keitch, Belsey, Mepsted and Scott.

On the very day we were laying our friend in his final resting place came the sad news of the death of "Gus" Bennett, as he was familiarly known. We knew he was a dangerously ill man, but never looked for this sad termination. Person-

ally and I believe to all who knew him his death is regarded as most lamentable. But a young man, with the brightest of prospects before him, it is sad indeed he could not be left with us. A floral tribute was sent to Pittsburg from the local club, all we could do. We all remember how hard Mr. Bennett worked to make the Pittsburg convention a success, and we all know how he and his friends in Pittsburg more than succeeded to that end, and our sympathy goes out not alone to bereaved family, but to all his friends in Pittsburg, for they have lost a worthy brother.

Our hard worked, efficient and honest park superintendent, Wm. McMillan, starts this week on a six weeks' trip to the Pacific slope. May it do his health good, not that his health is bad, but he needs rest, absolute rest, both in mind and body, but most likely he will be climbing the western slope hoping to discover some variation in a conifer or a new variety of bison.

Mr. Hetherington of Jamestown, N. Y.; Mr. D. Scott of Fredonia, and Mr. Ruhlman of Lockport were in town this week. W. S.

#### Pittsburg.

There is not much if any change in the situation here. The florists are all busy with the usual social functions and regular counter demand. Several days ago the members of our club who delight in shooting reorganized the Shooting Club with twelve members. Mr. P. S. Randolph is president, Henry H. Negley secretary and L. P. Ross treasurer. Members: Geo. A. and J. B. Murdock, W. B. Ague, W. L. Hague, John Brader, W. H. Elverson, D. I. Shaw, E. H. Allen, Joe Spring. A shooting committee of three is to be appointed to arrange for a weekly shoot from now on, also a committee to procure a charter and formulate by-laws. All those who will belong to it must be members of our Florist Club.

Mr. G. Ludwig had the decoration of the hotel at Butler for two banquets on the same evening, one the bankers' and the other the doctors'. By the account in the Butler papers they were very fine, giving universal satisfaction.

S. S. Skidelsky, with M. Rice & Co. of Philadelphia, and Christian George were with us for a day or two.

Next week on Tuesday night our club will hold its annual election, when a successor to our late president will have to be chosen; it will be a very sad meeting.

REGIA.

#### St. Louis.

Up to within the past few days there was but little stirring in the cut flower trade. There is a fair demand for roses when they are of first quality. Prices have not advanced any and there is no great hustle for anything. The wholesalers report that the shipping trade is almost extinct apparently, and have to depend entirely upon local demands. Carnations are in full supply and do not move very rapidly; prices run from \$1 to \$3. Bulb stock is selling slow this week, and there is a great glut of it now in the market. Beauties continue scarce. Good long stemmed ones are in demand. Prices on roses took a drop this week, and sell for \$2 and \$6; Perles go at \$2, Brides and Bridesmaids at \$5, Meteors \$6, seconds at \$3, Testouts at \$7. Harrisii sell for \$12.50 and callas at \$10, Romans \$2, valley \$3.

The exhibition committee meets this week at F. C. Weber's store to work on

the preliminary list. The dates set for the chrysanthemum show are November 11 to 15, at Entertainment Hall, Exposition Building.

A. Y. Ellison, doing business at 625 Olive street, has taken a partner; his associate in the business is Mr. Robert F. Tesson. The style of the firm will be Ellison & Tesson. Mrs. Ellison will continue as manager for the new firm.

At the Bowling Club's roll Monday night the Japs beat the Chinese by a score of 2,208 to 2,140, Mr. C. Beyer again being high man, he rolling 661 in three games. His highest single score was 244, J. J. Benecke second with 599 in three games, F. C. Weber third with 561 and John Young fourth with 501. Next Monday there will be another prize rolling match, and a full attendance is expected. The King of the Japs, Alex Waldbart, has not been able to roll the last two meetings, but expects to be able to attend next Monday. J. J. B.

## OBITUARY.

AUGUSTUS WHITE BENNETT.

There was only time last week before going to press to telegraph the death of Augustus White Bennett, which was very unexpected, for his physicians and those attending him thought he would recover. He had only been ill about three weeks, a severe cold developing into the typhoid fever. On Wednesday evening, the 15th inst., he awakened from sleep near midnight, complaining of very severe pains in the stomach, and asked his wife to send for the doctor; living close by he responded immediately, but Mr. B. had become unconscious in five minutes after awakening. The doctor could not revive him, and in ten minutes more he had passed away easily and quietly at the early age of 31 years.

Mr. Bennett had only lived here a little more than two years, coming in the fall of '93 to accept the appointment of superintendent of the Phipps Conservatories in Schenley Park, which position he filled until February, '94, when he was by Mr. E. M. Bigelow, Director of Public Works, made Superintendent of the Bureau of Parks (composed of five). In January, '95, he was unanimously elected as President of the Pittsburgh and Allegheny Florists' and Gardeners' Club, which position he filled with marked ability, and was a very great factor in the club's successful entertaining of the Society of American Florists here last August. Only the night previous to his death he was nominated without opposition as president for this year. He has left an impress for good in his work here that will be felt for a long time to come, and his place, as Mr. Bigelow says, will be "very difficult to fill."

His individuality was such as enabled him to make friends, and keep them too; in his position as superintendent he had to meet all classes, from the millionaire to the poorest, and to each and all he was uniformly affable, courteous and agreeable. Those who worked under him speak nothing but praise, saying that although strict his demands were always reasonable and just. Of his skill as a florist the writer feels it unnecessary to speak, for his brother florists know it much better than I, and the grand success of the Phipps Conservatories, both as everyday and show houses, stand out as a pre-eminent, substantial, tangible monument and testimonial of his phenomenal success in floriculture; what he would have brought them to in time had he lived is only conjecture, as he told me sev-

eral times when going through the conservatory together "that it would take him two years longer before he had them in the condition he desired and contemplated."

The family having decided to bury him in the family lot at Greenwood Cemetery, Brooklyn, Mr. E. M. Bigelow made all arrangements for the funeral. His mother and sister, Mrs. Stevens, arrived here on Friday morning. The services were held in the afternoon at the late residence, 4517 Filmore street, conducted by the Rev. G. Chapman Jones of the Oakland Methodist and Rev. Dr. Henry T. McClelland of the Bellefield Presbyterian Church, and were very impressive; the music was rendered by a quartette, composed of some of the best singers of our city. The house was filled to overflowing



THE LATE AUGUSTUS W. BENNETT.

by his friends and acquaintances from all walks of life, and each one looked and felt as if they individually had lost a very dear friend.

The floral offerings were very fine, the flowers being the choicest to be had and numerous. The employees of Schenley Park and conservatories sent two wreaths composed of lilies and roses, his Masonic lodge an apron of roses and carnations, Elliott & Ulam, flat bunch of lilies and roses; Gustave Ludwig, a large basket of orchids and eucharis; N. Patterson, wreath of violets with lily of the valley at the tie; Pittsburg & Allegheny Florists' and Gardeners' Club, a large wreath made by Randolph & McClements, composed of roses, carnations, valley, callas, purple orchids, etc., with bow of ribbon to match the orchids, with many other offerings from friends. The bed on which he lay was covered with flowers and surrounded by palms, thus emphasizing in death the leading and ruling feature of his life.

The remains were taken east at 7 o'clock, the following pall bearers, selected by Mr. Bigelow, accompanying them: Joseph P. Benjamin, Chief Clerk Bureau of Park; W. W. Woods, Chief Book-keeper Bureau of Parks; Geo. W. Burke, Chas. Harrison, Assistant Superintendents Schenley Park. Mr. Burke also represented the Florists' Club. Mr. Wm. Bennett, a brother of A. W. Bennett, met them at Jersey City, and on Sunday afternoon at 2 o'clock the interment took place in Greenwood Cemetery from his mother's residence, Clarkson street, Flat-

bush, L. I., followed by a large number of friends. The floral offerings from friends there were very fine indeed, and with those taken from here completely filled one carriage.

Mr. Bennett left a wife and two children, boys. Mrs. Bennett not being well enough to stand the journey east, his mother remained here with her.

REGIA.

Boston.

City florists are fairly busy and the wholesalers report an average demand from out-of-town dealers for the season. There is no shortage or extraordinary demand for any special flower and it is gratifying to know that, for the present there is no unwieldy overstock. Carnations do not boom as they did last year and prices to growers are not equal to those last of year, but considering the greatly increased quantity grown, aggregate results cannot be regarded otherwise than satisfactory up to date. No complaint is heard in any direction regarding general business, and from this it is fair to infer that all are securing their due share of prosperity. There has been an unusual proportion of funeral design work called for during the past week and this has helped to deplete the stock of white flowers of all kinds.

On Saturday last W. W. Tailby had a bunch of flowers and a plant of carnation Della Fox and of Annie H. Lonsdale on exhibition at the Cut Flower Exchange. The Della Fox showed up well considering that it had travelled over three hundred miles and received substantial recognition from the local growers in the form of several fat orders for spring delivery.

No more welcome sight has presented itself here for many a day than the return of our own "Little Woodie" from the west, and his expressed purpose to make his stay with us permanent comes as very pleasant news to his old friends and associates.

On Wednesday afternoon, January 22, Mr. James Comley entertained a number of his gardener and florist friends in his customary generous manner, at his home at Oakmont, Lexington.

Mrs. James Newman, mother of John and Arthur Newman, the Tremont street florists, celebrated her 88th birthday on January 20, at her residence in Winchester.

Jas. McElroy of Jamaica Plain was struck by a train on the morning of Thursday, January 16, and died after being taken to the Massachusetts General Hospital.

Visiting Boston: Chas. H. Allen, Floral Park, N. Y., and Geo. Svkes, representing Lord & Burnham Co., New York City.

Washington.

The past week was a busy one for the florist. It might be termed a week of teas, dinners and receptions, the tendency being more to decorate with plants than cut flowers, no great profusion of the latter being used at any one occasion, while in many of the entertainment plants were placed in every possible corner. There has been a number of weddings the past week, calling for church and private dwelling decorations, but none of them have called forth the florists skill in the arrangements.

Flowers are again plentiful and of good quality; the bright days of the past week were just what the growers were looking for. Beauties are good and bring from 50 cents to \$1 each, short stemmed ones



are sold for 25 cents apiece. Bride and Bridesmaid are very fine and can be had from \$2 and \$3 per dozen: La France are good and retail from \$1.50 to \$3 according to quality; Meteors from \$2 to \$3; Golden Gates were never better, and are in demand from \$1.50 to \$4; Kaiserin from \$1.50 to \$2. Romans are very good this season and retailing at 50 cents per dozen. Carnations are fine, bringing from 50 cents to \$1 and are in great demand. Mignonette 75 to \$1. Valley is not over abundant, nor is it quite up to standard, retailing from 75 to \$1. Violets are not very plentiful, selling from \$1 to \$1.50 per hundred. Narcissus plentiful and fine; tulips are beginning to come in, some fine Scarlet Dukes are on the market. White, pink and yellow are very scarce. Asparagus is selling for 75 cents per string, while smilax is bringing from 35 to 50 cents.

I am told that there has been a greater demand for smilax, and that more of it has been used thus far this season than for the past two or three years. The florists say they are unable to get the price asked for asparagus, and owing to the fact that smilax is cheaper it is more in demand. The growers say there is more money in short asparagus than growing it into strings.

Mr. Edgar Boone who recently rented the Douglass greenhouses on Bennings Road formerly occupied by Mr. C. F. Hale, has given up the business and expects to return to Philadelphia.

REYNOLDS.

#### Chicago.

The carnation meeting of the Florist Club last Thursday evening brought out a large attendance, over 100 being present, including the following visitors from a distance: Albert M. Herr, Lancaster, Pa., Secretary American Carnation Society; E. G. Hill, Richmond, Ind.; H. Weber, Oakland, Md.; Jas. G. Hancock, Grand Haven, Mich.; H. L. Sunderbruch, Cincinnati; Chas. Hunt, Terre Haute, Ind.; Geo. Hopp, East Grand Rapids, Mich.; A. Baur, Rockford, Ill.; F. L. Bills, Davenport, Ia.; Geo. Souster, Elgin, Ill.; G. A. Kuhl, Pekin, Ill.; John Evans, Richmond, Ind.; Fred. Breitmeyer, Detroit; L. A. Perkins, Waukegan, Ill.; W. H. Drake, Kenosha, Wis.

The display of carnations was exceedingly fine, including practically all of the best novelties. There were 69 exhibits by 17 exhibitors, the majority by originators of new sorts.

The discussion of the several subjects relating to carnations were of very great value and were most heartily enjoyed.

Next week we will give a detailed review of the exhibits and a full report of the discussion.

F. C. Mendonza has removed to 576 43d street, a few doors from his old location. The new store is on the corner of Calumet avenue, and is a more attractive stand.

Trade is quiet, city trade particularly so. Perhaps it is just as well, for if there was a very active demand there would not be nearly enough flowers to go round. Most of the growers are off crop, and the weather is most discouraging. Roses are particularly short; Brides and Bridesmaids are very stiff at \$6, with select selling for \$7 and \$8; Meteors the same. Beauties are the same as last week, but rather poorer in quality. In carnations whites are very scarce and in active demand; good white stands at \$2, extra at \$2.50. Daybreak and Scott are very plentiful at \$1.50 to \$2, and there is an abundance of Tidal Wave.

In bulbs daffodils are more plentiful and bring \$4; they are very good in quality. Dutch hyacinths sell for \$6, and the shortness of white stuff helps to move off the Romans. Tulips are coming in more freely, but are not very good. Valley is greatly improved, and freesia is longer. The scarcity in violets continues, though the price has dropped to \$1.50.

At the present time shipping trade does most to move off the stock. City trade continues stagnant, except for funeral orders, which create a regular demand for white flowers. Colder and more seasonable weather is likely to benefit both supply and demand.

#### Flatbush, N. Y.

The fact that Flatbush has been incorporated in the city of Brooklyn and will in the next Florists' Directory appear under that heading has had no injurious effect upon her florists and there are no evidences of vanity or undue conceit among the boys, who are still the Flatbush Florists' Bowling Club, who on every Thursday night meet at Bantel's Alleys and have the jolliest times imaginable, setting aside all discussion of horticulture or business and giving strict attention to the strikes and spares and to making the visitors welcome and happy. The only time when pretentious boasting is indulged in is when one of the boys rolls up a score of 230 points and Papa Zeller, unable to contain himself any longer, raises his arms in the air and shouts "We can send 'em to England," and the initiated will agree that under the circumstances Papa Zeller is entirely excusable for his enthusiasm. The annual "sight-unseen" prize contest took place Christmas week with the customary funny incidents. Fickle fortune decreed that Louis Schmutz should draw a black doll; result a hurricane with Louis as the centre of disturbance. A silver plated pickle jar and tongs is the trophy offered by Dailedouze Bros. for the member making highest average during the next three months.

Since the death of P. Bruno Meissner Mrs. Meissner has taken the active management of the business and with the help of foreman Huidmuller is carrying it on with great success. Cattleyas are the only plants grown for cut flowers and of these a quantity of fine blooms are now being cut. Cinerarias, Chinese primroses, azaleas, daisies, etc., were all in good shape for the holidays and there was not near enough to meet the demand for this class of flowering plants. The palm houses also show the effects of the heavy Christmas drain.

Geo. Bennett is having gratifying success with his mignonette. He has cut since October 12,000 sprays.

#### Scranton, Pa.

The Christmas of 1895 was beyond doubt a "record breaker," the volume of business transacted by the florists having surpassed their most sanguine expectations. The supply on the whole fully equalled the demand, though such stock as American Beauties, for which during the last day or two there sprang up quite a demand, was rather scarce. The buyers, however, were perfectly satisfied to compromise on Mermets, Brides, carnations, etc., and things went along swimmingly.

The quantity of bulbous stock disposed of during Christmas week surpassed that of any previous season.

The following were the ruling retail prices per dozen: Carnations 50 to 75

cents, extra fine stock \$1, Perles \$1.50, \$2 and \$2.50, Mermets, Brides, La France \$3 to \$3.50. In addition to cut flowers there was a brisk demand for plants of all kinds and green stuff, of the latter G. R. Clark & Co. alone having disposed of over nine tons.

What may be characterized as the "swellest affair" of the season was the Bachelors' ball. Mr. G. R. Clark was master of ceremonies and he executed the carte blanche order given him in a way that was highly commendable. Southern smilax and broad pink satin ribbon were used in profusion. From each balcony there were suspended clusters of smilax here and there tastily entwined with bright pink ribbon bows. Away up in the top gallery and extending its whole width were rows of palms, ferns and Harrisii plants, the whole banked by evergreens. The supporting pillars were alternately wound with pine rope and a bright gauzy pink material. From the top of the proscenium arch were suspended ropings of pine and smilax.

A grotto effect was produced on the west side of the stage, which was set with a garden scene backing and an exterior cottage scene on the side opposite the grotto. The grotto represented a perspective of woodland. From the boughs hung strings of Florida moss, etc. Large palms were placed in the nooks before the lower boxes, arranged so as not to hide the view from any quarter, while numerous palms, rubbers, Harrisii, etc. were scattered here and there along the edge of the floor.

It was the finest decoration ever seen in Scranton and Mr. Clark's artistic taste was highly complimented on all sides.

HOMO.

#### San Francisco.

There has been quite a remarkable change in the condition of the market since my last. There has been a sudden over-production in some lines that last week was least expected; this is pertaining to violets, which last week were very scarce, and the stiff prices have dropped this week to \$1 per dozen bunches. The quality is really grand. As for Californias, they still hold strong at \$2 per dozen. Roses too have gone down to 50 and 35 cents per dozen for Brides and Mermets. Good Testout bring \$1, but are scarce. Harrisii have made their appearance in limited quantity and find a ready sale. Some poinsettias are also to be had, but the quality of the average blooms is very inferior to last season's stock. On account of the large quantity of violets the fakirs are now swarming around the street corners, reminding one of chrysanthemum time.

Mr. George Karmen is bringing in some very fine Kaiserin and Bridesmaid, for which he finds ready market. His American Beauty also are particularly fine.

Bulbous stock such as hyacinths, narcissus, freesia, etc., is a decided drug. Very few good Von Sion have as yet been seen. There is quite a big demand for valley, but it is also very scarce.

F. K. Weiss & Co. of Eddy street, who recently made an assignment, have made satisfactory arrangements with their creditors whereby there will be a continuance of the business under the title of "Eddy Street Florist Co.," J. K. Weiss, manager. Mr. Weiss hopes to be able to pay up all the debts of the old firm.

Mr. John H. Sievers has a remarkably fine display of flowers on his Post street store. His Bride roses are particularly fine, also his carnations. There is also

generally a very fine display of cattleyas here also. The fine appearance of stock generally coming into the store reflects great credit on the foreman of the nursery, Mr. Carol Kruger.

Mr. R. Cole, who for many years past has been foreman of the greenhouses in Golden Gate Park, has resigned his position on account of ill health and has gone to the springs to recuperate. Mr. Cole was an enthusiastic plantsman and has discovered many new ones during service here. He has several new plants which have received very flattering comments from traveling botanists of both Europe and America.

At last the rain has come, and if ever it seemed to fall from heaven upon the earth beneath, it was this week. For the seed growers this will prove a great boon, as it will give the onions, cabbage, etc., a good start. Of course the lighter seeds, such as celery, have not been sown as yet, but undoubtedly will be after these rains.

At the annual meeting of California State Floral Society held last week the following yearly officers were elected: Prof. E. J. Wickson, president; Mrs. L. O. Hodgkins, vice-president; Emory Smith, recording secretary; corresponding secretary, Mrs. W. H. Smyth; treasurer, J. W. Henderson; accountant, Mrs. F. H. Burns; directors, Mrs. Austin Sherry and John Hinkle; exhibition committee, Emory Smith, Mrs. O. D. Baldwin, Mrs. Amos McCartney, Mrs. W. S. Chandler and Mrs. B. Harris.

The treasurer showed that there was now \$500 in the treasury after having paid off the debt of \$1,500 from last year. The society decided to have a byacinth show in February and a wild flower show in April. They have not as yet decided when the semi-annual rose show shall take place.

METEOR.

#### Wilkes Barre, Pa.

Christmas trade was away ahead of any previous year. There was a brisk demand for good stock of all varieties, and fortunately the florists were well prepared to meet it. Choice Meteors sold readily at \$3.50, La France \$3 to \$3.50, Brides \$3 to \$4, Perles \$1.50 to \$2.50, carnations 50 to 75 cents and \$1.

The quantity of holly, ground pine and laurel disposed of was by far the greatest as compared with that of previous seasons. The demand for this class of goods is steadily increasing.

The Christmas trade was no sooner over than other events kept the florists busy. Among these may be mentioned the Hebrew ball which took place on New Years night. Mr. Wm. Humphrey of Eldridge & Co. did ample justice to the decoration entrusted to his care, using numerous palms, plants and loads of evergreen for the occasion. Another event was the "Faust Club" social, of which Mr. Humphrey proved no less competent as master of ceremonies.

The crowning event of the season was beyond doubt the assembly ball given recently at the Concordia Hall, and Mr. I. G. Marvin's decoration may long be remembered as one of the finest that was ever attempted in Wilkes Barre.

The orchestra elevation was one mass of palms, rubbers and bay trees, the whole banked with a solid mound of evergreens, the object being to hide the musicians from view. From the center of the dome festoons of laurel, sixteen in number, most gracefully arranged, extended to the ends and sides of the hall. The rear was banked with plants, while a most beautiful mantel decoration added much

to the general effect. The chandeliers and balusters of the stairways were entwined with laurel, and the windows were framed in ground pine, dainty little wreaths being suspended from the centers. The dining room decoration was on a most elaborate scale. Over four thousand yards of evergreen roping were used, not to mention the plants, of which no count was kept.

HOMO.

#### Grand Rapids, Mich.

The club's first annual banquet was held January 21, forty-eight were present. It was a pronounced success in every way. The profuse floral decorations were freely furnished by the club members. After the feast came the toasts, Mr. Charles W. Garfield acting as toastmaster. The toasts were interposed with music by Will Fife, Miss Grace Fife, Miss Nettie Hewett, and recitations by Paul P. Davis.

The first toast was responded to by James A. Creelman. President Henry Smith responded to "The Wholesaler" giving his good and bad deeds. Mrs. E. Arnold responded to "Our Future Prospects." James Schols responded to "Shows and Exhibitions." M. B. Storer responded to the "Florists' Club," a vigorous yearling shoot, bound to grow and blossom like the rose. Wencel Curskiski the city florist responded to "The ladies." Wm. Cunningham talked about the retailers, F. A. Chapman responded to "Our Michigan." Mrs. Sarah Smith talked charmingly about our club flower, the carnation. The toastmaster then thanked the club for the honor they had bestowed upon him, making him their first toastmaster. The club will make the banquet an annual affair.

EVELYN A.

#### Austin, Texas.

A. J. Mays had a very creditable floral display Thursday before Christmas, arranged by Mrs. Mays, some extra fine callas in bloom and some draped mirrors being the main features. Mr. Mays has been very successful the past year in growing plants for the business.

The Hillside Nursery, Miss Lizzie Freeman, proprietor, is handling small roses quite extensively.

We regret to announce the death of Mr. A. M. Ramsay, the head of the firm of A. M. Ramsay & Son, nurserymen. Though but lately moved to Austin from Burnet county, Mr. Ramsay has made many friends here who regret his death. The business will be continued by Mr. Ramsay's son, Frank Ramsay, under the same name as heretofore.

A large tank is being built at the Lunatic Asylum for a trial of the great Victoria regia. Dr. Simpson, superintendent, who is an enthusiast on floriculture, is making many improvements in this line.

A. J. S.

#### SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

**SITUATION WANTED**—By young man, single, sober with some experience, as assistant florist. References. W. M. B. EVANS, Newark, O.

**SITUATION WANTED**—By experienced gardener and florist; knowledge of general stock; Scottishman; young. References. J. T. care Am. Florist.

**SITUATION WANTED**—By a competent florist and gardener; lifetime experience in all departments. Capable of taking charge. Good references. Address Box 531, Louisville, N. Y.

**SITUATION WANTED**—By a young man, German, 12 years' experience in cut flowers, bedding stuff and nurseries. Good references. B. S. care American Florist.

**SITUATION WANTED**—By grower; thoroughly understands growing roses, carnations and all kinds of florists stock. Address THOS. MCKENZIE, 1529 Wabash Ave., Chicago.

**SITUATION WANTED**—By a young man skilled in growing roses, carnations and general greenhouse stock; sober and energetic. Address H. J. care American Florist, Chicago.

**SITUATION WANTED**—First-class, reliable man as foreman or assistant; expert designer, decorator, thorough experience, and business ability. Address COMPETENT, care American Florist.

**SITUATION WANTED**—By thoroughly competent floral designer and decorator, store. Many years' experience. Some knowledge of seed trade. FLORIST, 21 Riverside Ave., Cleveland, O.

**SITUATION WANTED**—By Englishman, single, age 26, experienced in general greenhouse work; good gardener; active, steady worker. Address ROBERT MAIN, 41 North St., Gloversville, N. Y.

**SITUATION WANTED**—As foreman or manager by a first-class rose grower and all round man; 30 years experience; married. References given. Address F. A. care American Florist, Chicago.

**SITUATION WANTED**—By first-class florist and gardener, young married Swiss, to take charge of gentleman's place with greenhouses. Best of references. Address C. G. care American Florist.

**SITUATION WANTED**—By florist as grower of cut flowers, plants; propagator and floral worker; 14 years in St. Louis, 4 in Illinois. Illinois or Indiana preferred. Good references. FLORIST, care F. C. Weber, 324 Olive St., St. Louis, Mo.

**SITUATION WANTED**—By a first-class man; good rose and cut flower grower; thoroughly experienced in most branches of the business; energetic, single, age 27, of German nationality. Only a first-class place wanted. Best of references. Please address ST. care American Florist, Chicago.

**SITUATION WANTED**—February 15th, by good, experienced grower of roses, carnations, mums, and general stock. Good designer and decorator. Capable of taking charge of place, commercial or private. Willing to go anywhere. English, age 30, strictly temperate. References given. Address with particulars GARDENER, 4800 Drexel Boulevard, Chicago.

**SITUATION WANTED**—As assistant in a large commercial establishment where roses, carnations and mums are a specialty, or preferably on a large private estate, for the sole purpose of advancement in horticulture. East preferred. Age 23; German; single; 9 years' experience, 5 years in America; can speak English. Strong and not afraid of work. Good references. Address ST. LOUIS, care Am. Florist.

**WANTED**—Greenhouse assistant, commercial place. State experience and wages per month including board. GEO. N. BELDING, Middletown, N. Y.

**WANTED**—Two young men with some knowledge of growing cut flowers and bedding plants. State wages wanted with board. Address COLE BROS., Box 557, Peoria, Ill.

**FOR RENT**—Florist store and two lots. Good location. Will rent store furnished or unfurnished. 154 1/2 4th St., Chicago.

**FOR SALE**—Five greenhouses, located in the healthiest climate of the west. For particulars, address Box 562, Canon City, Colo.

**FOR SALE**—Established greenhouse, vegetables and flowers. Good thing; demand away ahead of supply and increasing. Going to retire. Address X. Y. care American Florist.

**FOR SALE CHEAP**—Greenhouse plant in one of the best states in the Union; between four and five thousand feet of glass, well stocked, hot water. Write for particulars. Address R. care American Florist, Chicago.

**FOR SALE**—Florist business, established 7 years; good locality, and best funeral design made in the city, with greenhouse attached. For particulars, apply to JOHN NEW.

21 Adelaide St. East, Toronto, Canada.

#### WANTED.

Let us grow your Carnation plants at 1c each, and your Violet plants at 1 1/2 cts. each. We want 100,000 Carnations and 70,000 Violets plants to grow. We have a good soil and situation to grow strong, healthy plants.

Willenreiter & Schwiemann, Florists, Danvers, Ill.

#### FOR SALE.

My greenhouses and residence, one greenhouse set to roses, two with carnations, one with green; a large lot of bulbous stock in cold frames in prime condition. A good cut flower and floral trade established. Cut flower trade for 1895 was nearly \$1000. A splendid vegetable plant trade. Two lots 120x120 dwelling of 5 rooms a good cellar, two cisterns, a good well and city water and connected with the sewer; only three blocks from Court house; population of our city 60,000. No other greenhouse here. Good reasons given for selling. For further information call or address W. J. MILLER, Pontiac, Ill.

#### FOR SALE.

A good paying florist and gardening business; 3 1/2 acres, four greenhouses, 3 100x200, and 1 1/2x110, equipped with hot water system throughout. The business and good will thoroughly intact. Two hours of Washington; three of Baltimore, and seven of Philadelphia; on two railroads, the B & O and the N & W. Plant cost about \$6,000. Will sell at great sacrifice and on the easiest terms. Splendid opportunity for right man. Apply to James M. Mason, Jr., Trustee, Charles Town, W. Va.

## Milwaukee.

Christmas trade surpassed former years; the supply was not equal to the demand, although the bad weather lessened the demand considerably. Retail prices on roses ruled from \$2.50 to \$4 per dozen. Carnations were 75 cents to \$1, violets 75 cents to \$1 per bunch. American Beauties were very scarce, bringing from \$12 to \$24 per dozen, but few Harrisii made their appearance. The effect of high prices on cut flowers caused a brisk demand for plants and palms. The sale of holly and decorative greens was more than double that of last year. Considerable southern holly was consigned to the produce commission men, hence all grocers in the city were handling it and street fakirs were quite numerous.

The Milwaukee Florist Club at the meeting Tuesday evening held the annual election of officers. John Dunlop was again elected president; F. P. Dilger, vice-president; Wm. Freytag, secretary; H. Haessler, treasurer; Ben Gregory, N. Zweifel, H. Von Oven, trustees.

After all business was transacted the club sat down to a banquet, which will be an annual fixture hereafter. Twenty-five covers were laid. After the dine the club participated in a bowling contest, the side headed by John Dunlop defeating the team of Geo. Volk by a small margin. Geo. Bliss entertained the club with topical songs and a general good time was indulged in.

INCOG.

## Syracuse, N. Y.

The weather has formed the chief topic of conversation; every one has been comparing notes with his neighbor and the oldest inhabitant has to admit very reluctantly that it has been the coldest ever remembered. The cold wave was preceded by a heavy fall of snow on the 4th; this alone was our great salvation, had it not been for this covering to greenhouses, I should have had to report one of the heaviest losses by frost ever recorded. On the 5th the glass registered 20° below zero, and on the 6th it was 32° below with me; some have 38° and 42° below recorded. There was little wind which of course helped greatly. Many losses to house plants by being frozen have been recorded. Great fear is expressed that buds on fruit trees and grape vines have also been greatly injured. Large funeral orders have kept the florists busy. Carnations still hold the call, bulb stuff moves off slowly with the exception of Harrisii which has been largely used.

H. Y.

## St. John, N. B.

The mild weather during the holidays has been followed by extreme cold, the mercury reaching in some places as low as 19° below zero, which has given the boys something to do and has emptied the coal bins to a considerable extent. Rumor has it that all our local men have not escaped, but have suffered more or less by the frost getting in the greenhouses.

Trade is now suffering from the reaction of the holiday season, and in consequence the florists do not show the happy smile of a week ago.

ST. JOHN.

## Hamilton, Ont.

Christmas trade in this city, so far as I can learn, was away above the average, not enough good stuff to go round, more especially in roses and violets. Carnations were about equal to demand, quality all through only fair, with prices

## ROSES, TREES, BULBS, PLANTS.

200,000 Strong, hardy, nursery grown Roses.  
500,000 Pot Roses, Teas, China, Bourbon, etc.  
Greenhouse plants of all descriptions.

100,000 Elegant Poplars, 5 to 25 feet, Carolina Aurea, Lombardy.

## ONE THOUSAND CAR LOTS of OTHER ORNAMENTAL TREES, SHRUBS, Etc.

250,000 Peach, choicest sorts.  
150,000 Pear, standard and dwarf.  
100,000 Plum, best European and Japan.  
75,000 Cherry, Morellos, Hearts, etc.  
150,000 Apple, Quince, Apricot.

100,000 Nut bearing trees.  
2,000,000 Small Fruits, Grapes, Currants, Gooseberries, Raspberries, Blackberries, Dewberries, Strawberries.

We occupy one and a half miles on the bank of Lake Erie. No healthier, hardier trees are grown on the continent. Catalogue and Trade List free. Lower quotations given on large lots. Write us We can do you good

42nd YEAR.

1000 ACRES.

29 GREENHOUSES.

## THE STORRS &amp; HARRISON CO., PAINESVILLE, OHIO.

Mention American Florist.



**PALM Seed.** Import orders taken now for Spring delivery of the following varieties.

CROP '95.	1000	5000	10,000
Areca lutescens.....	\$10.00	\$45.00	\$80.00
Cocos Weddelliana.....	10.00	47.50	90.00
Geonoma gracilis.....	12.00	50.00	
Latania borbonica.....	2.50	10.00	17.50
Sabal serrulata.....	.75c	per 100	6.00
Musa Ensete, from Abyssinia.	\$1.25 a 100;	\$10 a 1000	
Just arrived, fresh crop of Asparagus plumosus nanus.	\$1.25 per 100;	\$10 00 per 1000.	

J. L. SCHILLER, Rutherford, N. J.

## GERANIUMS.

At least 30 varieties. All the best of the Double and Singles grown and named, at \$15 per 1000; \$1.75 per 100.

	Per 1000	Per 100
Mme. Sallerol.....	\$12.00	\$1.50
Rose Geraniums.....	20.00	2.25
Alternanthera p. major and aurea nana.....	6.00	.75
Cuphea platycentra (Clear Plant).....	8.00	1.00
Feverfew Little Gem.....	10.00	1.50
Double Golden Marguerite.....	10.00	1.50
Dreer's strain Double Petunias.....	12.00	1.50
Salvia splendens.....	10.00	1.25

The above are grown in flats, in fine condition.

**ROOTED CUTTINGS.**

Fuchsias, named, about 30 varieties.....	\$12.00	\$1.50
Heliopsis, named, 6 varieties.....	8.00	1.00
Ageratum, blue and white.....		1.00

The selection of sorts to remain with us. Cash with the order.

J. E. FELTHOUSEN, Florist, Schenectady, N. Y.

higher than usual; roses 12 to 15, carnations 3 to 4, violets 2 to 2.50 per 100. The call for good flowering plants was immense. Poor stuff, both plants and cut flowers, were entirely out of it. C. Tidy of Toronto made a second venture at a store here in November last, but closed up the 4th of this month.

F.

## London, Ont.

The mild weather at Christmas was a boon to florists; never before were so many plants disposed of, and probably four times the amount of cut flowers could have been sold. New Years trade was the best ever experienced in this city. Owing to the cold weather flowers are scarce, and consequently prices have kept up to the holiday mark. W. GAMMAGE.

## Kansas City, Mo.

Arthur Newell, the 12th street florist, wears boots two sizes larger than last week. He has taken his son into partnership, weight 10½ pounds. Mother doing well, father convalescent.

K.

WAUWATOSA, WIS.—Robt. Currie, who started in business here quite recently, has built three houses 10x50 for carnations and violets. He will also grow spring bedding plants for the wholesale trade.

## GARDENER'S SEED AND PLANT GUIDE

From experience, tell about gardening for profit or pleasure and about The Flower and Vegetable Garden. Postpaid 5c. J.F.O. BAUSCHER, JR. Box 463 Freeport, Ill.

## 6,000 BEGONIA NIVEA,

AT REDUCED PRICES.

The New Everblooming Apple Blossom Begonia. We have a large stock of this grand winter blooming and summer bedding plant; it being covered with elegant panicles the whole year round, making it a valuable market plant. In color it is of a delicate pink when in bud, expanding through lighter shades to snowy whiteness when in full flower. It is an apple-blossom appearance, that is unique, and what the ladies call "just lovely."

In order to make room, and to place in reach of all, we offer 6,000 plants only at reduced rates if ordered before March 1st, 1896, after which date, prices will be advanced. It is a most vigorous grower, propagates easily, and has come to stay. The plants are well branched, well established and first-class in all respects, and sure to give satisfaction. Up to date florists should secure some of this stock for their floral work.

We guarantee safe arrival in good condition, and extras added to all orders of one dollar and upwards by express. Cash with the order. 10 plants at 100 rates.

	Each	Doz.	100
From 2½-inch pots.....	.15	.30	\$1.50 \$4.00
" 2½-in. pots, ex. strong plants.....	.20	.15	1.00 6.00
" 4-inch pots, well branched, full bloom.....	.25	.20	1.25 8.00
" 6-inch pots, ext. strong heavy plants in 6" pots.....	.35	.25	2.00 12.00
" 6-inch pots, too large to mail.....	.30	2.50	15.00
Rooted Cuttings to order, \$20.00 per 1000.....			2.00
Strong stems with leaves, buds and bloom.....			1.00
Large panicles ships well.....			.50

## J. ELLETON,

Floral Nurseries, AUBURN, N. Y.

## The Great WORLD'S FAIR Success.

"Lemoine's Hybrids are the chief glory."  
—American Florist, Aug. 17, 1893.

## GLADIOLUS Lemoinei and Nanceianus.

(150 first-class named varieties offered at low

The best new Forcing Shrub

## Deutzia Lemoinei,

Each 5 francs; per dozen 48 francs

Apply to V. LEMOINE &amp; SON, Nancy, France.

New plants a specialty. Catalogues free.

## PALMS.

150,000 of all the leading varieties.

## FERNS.

50,000 of leading varieties.

Address

GEORGE WITTBOLD,

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## E. G. HILL &amp; CO., Wholesale Florists

RICHMOND, INDIANA.

## CLEMATIS.

Choice, strong home-grown plants. Leading kinds \$3.00 per dozen. \$25.00 per 100.

F. A. BALLER, BLOOMINGTON, ILL.



## GREVILLEA ROBUSTA.

FRESH SEED; CROP '95.

Oz. \$1.00; Pkt. 25c.

Largely used for veranda boxes and centers of vases. A very useful plant and easily raised from seed. Grows rapidly; will stand a lot of rough usage, and often takes the place of a valuable palm as a pot plant.

I make a specialty of choice Flower Seeds for Florists. Nineteen years' experience. Send for list.

**G. C. WATSON,**

Wholesale Seedsman,

43 N. 10th St., PHILADELPHIA, PA.

## ROOTED ROSE CUTTINGS

From choice flowering wood free of disease and well rooted.

American Beauty.....2½ cts  
Brides ..... 1½ cts  
Bridesmaids..... 1½ cts  
Meleors..... 1½ cts

## ROOTED MUM CUTTINGS

Choice, strong and well rooted, 1½ cts.

BONNAFFON, JEROME JONES,  
DAILLEDOUZE, INTER OCEAN,  
LIPPINCOTT, QUEEN,  
WHILLON, IVORY,  
LINCOLN, DOMINATION,  
VIVIAN-MOREL, NIVEUS,  
HARRY BALSLEY.

**KATE B. WASHBURN,**

The earliest white New, 2-inch pots, 10 cts.

If ordered sent by mail the cost of the postage must be added. No order of less than 100 cuttings will be filled at these prices.

**Bassett & Washburn,**  
HINSDALE, ILL.

## New Extra DOUBLE PETUNIAS.

100 Rooted Cuttings, in 20  
varieties, for only \$2  
by mail.

CASH WITH ORDER.

**S. O. STREBY,**

Lock Box 77,

UPPER SANDUSKY, OHIO.

Mention American Florist.



INTERIOR VIEW OF ONE AZALEA HOUSE AT DREEER'S NURSERY, 25x250 FEET.

## AZALEAS FOR EASTER

We are carrying an immense stock of Azaleas and can still supply all the leading varieties in quantity; the plants this season are exceptionally fine, being bushy and well set with buds. If you have not yet laid in your supply for Easter now is the time to place your order as the plants carry in much better shape while the buds are still dormant. We offer:

CROWNS 10 to 12 inches in diameter - - \$5 per Doz., \$40 per 100

CROWNS 12 to 15 inches in diameter - - \$9 per Doz., \$70 per 100

Specimen Plants, 18 to 20 inches in diameter - - - \$3 each

**HENRY A. DREER,**

714 Chestnut St.,

PHILADELPHIA, PA.



"IF NOT, WHY NOT"

## FORCE GLADIOLI? That

Carnation bench can hold a few. It has the temperature to develop fine blooms for **EASTER**. Order and plant at once.

MAY, fine white.....\$2.00 per 100; \$17.00 per 1000

EUGENE SCRIBE, pink ..... 3.00 "

AMERICAN HYBRIDS..... 1.00 " 8.00 "

Fine all colors mixed ..... 1.00 " 7.00 "

Cash please.

**CUSHMAN GLADIOLUS CO.,** Euclid, O.

BETTER THAN EVER. CHEAPER THAN EVER.

## CHRYSANTHEMUMS.

(Ready February 1st.)

**APOLLO**—Gracefully incurved yellow, late, fine form, good stem and foliage, free grower, always produces perfect flowers, height 3½ feet. A No. 1 commercial variety, and a grand single stem pot plant. Strong, healthy plants from 2-inch pots, 20 cts. each; \$15.00 per 100. 25 at 100 rate.

**MRS. J. M. ATHERTON**—First-class certificate at Atlanta. Large white, spherical Chloese. In fact the largest and best white of this class surpassing Miss Gladys Spaulding in every respect. Extra stout stem and large handsome foliage up to flowers height 3 to 4 feet. Excellent pot plant and commercial cut flower variety. From 2-inch pots, 25 cts. each; \$18.00 per 100.

**MRS. S. T. MURDOCK**—The best commercial pink and **PHILADELPHIA**, \$7.50 per 100. The following varieties at \$2.50 per 100; 50 at 100 rate. Bonnaffon, Mieru, C. Chalfant, Marlon Henderson, Comrades, Niveus, Marie Louise, Ivory, Queen Good Gracious, Lady Playfair, Pres Wm R. Smith, Mrs. J. Geo. H. Enfant des deox Moodes.

Nothing but vigorous, cool grown plants sent out.

**NANZ & NEUNER,** Louisville, Ky.

Mention American Florist

**NEW GOLDEN YELLOW TROPÆOLUM**

"**COOLGARDIE**," (May).

One of the finest novelties of the season, flowers pure golden yellow, of free growth, and will keep up a succession of bloom throughout the season. First-class awards from Royal Horticultural and Royal Botanic Societies. I can offer a limited quantity of seed of the above price 2s 6d per pkt. of 12 seeds, post free.

**H. B. MAY,**

Dyson's Lane Nurseries, Edmonton, London, England.

Mention American Florist

## Rooted Cuttings.

**COLEUS** for massing, best red, yellow and fine green at \$6.00 per 1000, or 80c per 100. Fancy leaved, twenty finest varieties at \$5.00 per 1000, or 75c per 100.

**AGERATUM** Pope's Pet. at 60c per 100.

**HERR'S PANSIES**, at \$6.00 per 1000, or 80c per 100. Stock grown by Daniel K. Herr. Address communications to

**ALBERT M. HERR,**

L. B. 476.

LANCASTER, PA.

**AZALEAS,** Sander, Bruges, Belgium.  
**PALMS,** Sander, Bruges, Belgium.  
**ARAUCARIAS,** Sander, Bruges, Belgium.  
**BAYS,** Sander, Bruges, Belgium.

Agent: **A. DIMMOCK,**

106 & 108 Liberty Street, NEW YORK.  
SEND FOR SPECIAL OFFER.

**The Oaks Greenhouse Co.,** Jackson, Mich.

Offer the following:

A few thousand Tuberoses, 3-5 ..... \$3.00

About 500 Dracana Indivisa, 3-5 ..... 5.00

Begonia Metellina, 3-5 ..... 5.00

Rooted cuttings Chrysanthemums, standard

varieties ..... 1.00 2.00

R. C. Marguerite Daisy, white and yellow ..... 1.00 2.00

R. C. Vinca variegata ..... 1.00 2.00

R. C. Carnations, Daybreak, McGowan, Port-

tha, etc. .... 1.25 10.00

R. C. a quantity of La France Roses ..... 1.50 12.00

If to be sent by mail add 10c per 100. Cash with order.

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Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;  
Inch, \$1.40; Column, \$14.00.  
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No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;  
26 times, 20 per cent; 52 times, 30 per cent.  
No reduction made for large space.The Advertising Department of the AMERICAN  
FLORIST is for Florists, Seedsmen, and dealers in  
wares pertaining to those lines ONLY. Please to  
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure  
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

## Society of American Florists.

The executive committee will hold its annual mid-winter session at The Hollenden, Cleveland, Ohio, on Tuesday and Wednesday, February 25 and 26, 1896. Members of the society are requested to favor the committee with any suggestions or plans whereby the efficiency of the society and the interest and value of its annual meetings may be enhanced. All such communications will be cordially welcomed by the committee, and will receive courteous consideration. Address the secretary, Wm. J. Stewart, 67 Bromfield street, Boston, or at The Hollenden, Cleveland, at the time of meeting.

## Catalogues Received.

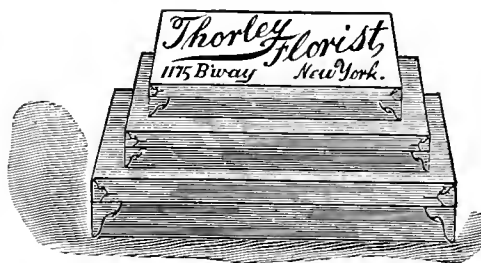
W. R. Shelmire, Avondale, Pa., carnations; J. M. Thorburn & Co., New York, trade list seeds; same, retail list seeds; Oscar H. Will & Co., Bismarck, N. D., seeds; August Rolker & Sons, New York, trade list flower seeds; Holmes & MacKubin, Harrisburg, Pa., seeds; A. Blanc & Co., Philadelphia, novelties in plants, bulbs and fruits; Wm. Swayne, Kennett Square, Pa., carnations; Theo. Koss, Milwaukee, Wis., seeds; T. W. Wood & Sons, Richmond, Va., seeds.

A SPECIAL LIST of "florists' orchids" has been issued by F. Sander & Co., St. Albans, Eng. It includes only those sorts that Mr. Dimmock has found most demand for among florists who grow cut flowers, and shows the importance now attached to the demand for plants from this source. The list includes 3 cattleyas, 3 cypridiums, 5 dendrobiums, 1 laelia, 2 oncidiums, 2 odontoglossums, 1 lycaste, 1 calanthe, 1 cœlogyne and 1 cymbidium.

PLANT BREEDING, by Professor L. H. Bailey, is the second volume of the Garden Craft series. It contains five lectures on the amelioration of plants, the subjects treated being such as variation, crossing, origin of domestic varieties, pollination, etc. It will be found a valuable aid to those making a study of the subject (MacMillan & Co., New York, publishers. Price \$1.00).

ELLWANGER & BARRY, Rochester, N. Y. from whom we have just received catalogue for 1896, are specially to be commended for the excellent and true to life half-tone engravings used largely in illustrating. These are a wonderful improvement over old-style cuts, and their truthfulness adds particular value where novelties are figured.

THE farm once owned by John Brown, in Essex county, N. Y., and where his body now lies under an immense rough stone, has been turned over to the state of New York to be preserved as a public park.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

**THE NATIONAL FOLDING BOX & PAPER CO.,**

NEW YORK SALESROOM:

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Sets from \$1.75 up. 176 Subjects.

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WHOLESALE  
Cut Flowers & Florists' Supplies  
WIRE DESIGNS.  
1402 FINE STREET,  
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**C. A. KUEHN,**  
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A complete line of Wire Designs.

**CUT FLOWERS**  
FINE VIOLETS,

"Marie Louise," at \$10.00 per 1000.

Send for sample box, to

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COLORADO SPRINGS, COLO.

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4TH AND WALNUT STREETS,  
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**A. & F. RÖLKER,**  
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**Cut Smilax**  
15 CENTS PER STRING.  
THE NATIONAL PLANT CO.  
DAYTON, OHIO.

CASH.

**DAN'L B. LONG,**  
FLOWERS AT WHOLESALE.  
Strictly Commission Business.

SUPPLIES, ETC.  
LISTS FREE.**BUFFALO, N. Y.**

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Wholesale Florist  
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**"The National"**

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

**THE NEW YORK  
CUT FLOWER CO.,**  
119 and 121 W. 23rd St., and  
112 and 114 W. 24th Street,  
**IS NOW  
OPEN FOR BUSINESS.**  
*The Largest Dealers in*  
**CUT FLOWERS  
IN THE WORLD.**

Handling flowers of all kinds in quantity we are in a position to fill shipping orders promptly. We shall give careful attention to this branch of the business, and solicit your patronage.

**Asparagus Plumosus Nanus.**  
Cut Strings, 8 to 10 feet long,  
**50 CENTS.**  
**W. H. ELLIOTT, Brighton, Mass.**

**WHOLESALE  
FLORISTS**  
JOEBERS IN  
FLORISTS'  
SUPPLIES,  
FLORISTS'  
VASES.

METS,  
BRIDES,  
GONTIERS,  
CARNATIONS,  
ALWAYS ON HAND.

84 Hawley Street,  
BOSTON, MASS.  
HORTICULTURAL AUCTIONEERS.  
Always mention American Florist.

**WELCH BROS.,**  
Wholesale Florists,  
NO. 2 BEACON STREET,  
Near Tremont St. **BOSTON, MASS.**  
PLEASE mention the AMERICAN FLORIST  
every time you write to an advertiser.

## E. H. HUNT, WHOLESALE FLORIST

68 Lake Street, CHICAGO.

## WHOLESALE CUT FLOWERS.

SEEDS, BULBS AND ALL  
FLORISTS' SUPPLIES.

## KENNICOTT BROS. CO. Wholesale Cut Flowers and FLORISTS' SUPPLIES, 88 Wabash Avenue, CHICAGO.

## T. J. GORBREY & CO., Wholesale Commission Florists 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

We are now prepared to furnish Florists' Wire Designs and a full line of Florists' Supplies.  
WRITE US FOR OUR ILLUSTRATED CATALOGUE.

## Bassett & Washburn, Successors to J. B. DEAMUD & CO., CROWERS and DEALERS in WHOLESALE CUT FLOWERS, 88 Wabash Avenue, CHICAGO. HEADQUARTERS FOR AMERICAN BEAUTIES.

## A. L. RANDALL, Wholesale Florist, 126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers.

## Reinberg Bros. WHOLESALE CUT FLOWERS, 51 WABASH AVENUE, CHICAGO. Telephone Main 4937. Our Roses best them all, in quality. Headquarters for fine American Beauties.

## W. E. LYNCH, WHOLESALE CUT FLOWERS, Wire Designs a Specialty. 59 WABASH AVENUE, CHICAGO.

## ROGERS PARK FLORAL CO., Wholesale Growers of CUT FLOWERS, 41 WABASH AVENUE, CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

## A. G. Prince & Co. WHOLESALE COMMISSION FLORISTS, 41 Wabash Avenue, Telephone Main 3208. CHICAGO. Consignments solicited. Prompt attention to all orders.

## Wholesale Markets.

### Cut Flowers.

NEW YORK, Jan. 22.	
Roses, Beauty, extra grades.....	10.00@10.00
" " culls.....	5.00@10.00
" " Perle.....	2.00@5.00
" " Testouts.....	10.00@15.00
" " Cusin, Waterville.....	2.00@4.00
" " Bride, Bridesmaid.....	3.00@8.00
" " Meteor, Morgan.....	6.00@12.00
" " Common mixed stock.....	2.00@4.00
Carnations, ordinary.....	50¢
" " fancy.....	1.00@2.50
Violets.....	.75@1.25
Harrisell.....	6.00@8.00
Daffodils.....	2.00
Mignonette.....	4.00@15.00
Roman hyacinths and paper white.....	1.00@2.00
Cyrtipediums.....	10.00@12.00
Cattleyas.....	30.00@40.00
Lilac, per bunch.....	1.00
Asparagus.....	50.00
Smilax.....	12.00

BOSTON, Jan. 22.	
Roses, Goutier, Niphetos.....	3.00@5.00
" " Perle, Hoste.....	4.10@8.00
" " Bride, Bridesmaid, Mermet.....	5.00@12.00
" " Meteor.....	3.00@8.00
" " Beauty.....	10.00@50.00
Carnations.....	1.00@2.00
" " fancy.....	1.50@2.50
Violets.....	.75@1.00
Valley.....	3.00@4.00
Harrisell, callas.....	12.00
Romana.....	2.00
Freesia.....	1.50
Daffodils double.....	3.00
" " single.....	1.00@2.00
Stevia, Marguerites.....	2.00@4.00
Mignonette.....	12.00
Cyrtipedium.....	1.00
Adiantum.....	12.00
Smilax.....	50.00
Asparagus.....	12.00

PHILADELPHIA, Jan. 22.	
Roses, Beauties.....	8.00@50.00
" " Bruners.....	25.00@50.00
" " Best selected teas.....	4.10@10.00
" " seconds and small stock.....	6.00@8.00
" " Morgan.....	10.00@12.00
Carnations, general stock.....	1.00@2.00
" " selected and choice kinds.....	3.00@4.00
Harrisell.....	8.00@12.00
Valley.....	4.00@6.00
Roman and Paper White.....	2.00@3.00
Violets.....	.75@1.50
Mignonette.....	2.00@3.00
Freesia.....	1.00@2.00
Smilax.....	15.00@20.00
Asparagus.....	50.00
Maldenhair.....	1.00

CHICAGO, Jan. 24.	
Roses, Beauties.....	25.00@50.00
" " seconds.....	6.00@20.00
" " Perle, Morgan, Siebrecht.....	4.00@5.00
" " Brides, Bridesmaid.....	6.00@8.00
" " Meteors.....	6.00@8.00
" " Testouts.....	6.00@10.00
Carnations.....	1.50@2.00
" " fancy.....	2.00@2.50
Harrisell, callas.....	12.50
Valley.....	4.00
Violets.....	1.50
Roman hyacinths.....	2.00@3.00
Narcissus (paper white).....	3.00
Hyacinths, Dutch.....	3.00
Narcissus Von Sion.....	4.00
Freesia.....	3.00
Smilax.....	12.50@15.00
Asparagus.....	50.00

ST. LOUIS, Jan. 23.	
Roses Beauties long.....	25.00@50.00
" " select stock.....	2.00@8.00
" " general stock.....	2.00@4.00
Carnations, select.....	3.00@4.00
" " ordinary.....	1.00@2.00
Valley.....	3.00
Harrisell.....	12.50
Callas.....	10.00
Romana.....	2.00@3.00
Paper white narcissus.....	2.00@3.00
Mignonette.....	2.00@4.00
Violets single.....	.35
" " double.....	1.00@2.00
Smilax.....	12.50@15.00
Freesia.....	3.00
Asparagus.....	50.00
Adiantum.....	1.00@1.25

BUFFALO, Jan. 21.	
Roses, Beauties.....	20.00@40.00
" " Meteors.....	6.00@8.00
" " Bridesmaid, Mermets, Bride.....	6.00@8.00
" " Cusin, Perle.....	5.00@6.00
Carnations, fancy.....	1.50@2.50
" " common.....	1.25@1.50
" " short.....	1.00
Harrisell.....	12.00@15.00
Callas.....	10.00@12.00
Romana.....	3.00@4.00
Valley.....	4.00
Violets.....	1.00@1.50
Adiantum.....	1.25
Smilax.....	15.00@20.00
Asparagus.....	50.00

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FANCY GRADE.

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## @Re Seed Trade.

### AMERICAN SEED TRADE ASSOCIATION.

S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.; ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Chambers St., New York, Sec'y and Treas.

### Free Seed Distribution.

Below are some interesting points made by Secretary Morton before joint committees of agriculture of both houses of Congress January 15, 1896.

Since the year 1865 the aggregate of expenditures of this department amounted to \$2,550,000. From July 1, 1892, to July 1, 1895, nearly 27,000,000 packages of seed have been distributed during the term of office of the present secretary, members of Congress having received 8,650,104 packages more than during the corresponding period under his predecessor.

Although thus diligently carried out the seed distribution has been unsatisfactory to the people and not calculated to promote the general interest of agriculture and horticulture. Indeed, by inducing the people to expend labor upon things they supposed to be new, but which proved to be either common or unsuitable, the government has actually imposed upon them loss of money, time and labor.

This year in a final effort to carry out the law in strict accord with its requirements an advertisement asking for bids was published. The board appointed to examine the same found only three in conformity to the requirements of the advertisement, and these were either not new, not adapted to general cultivation, or were insufficient for the needs of the department. In hope of finding something conforming to the requirements of the law informal examination was made of the bids set aside as defective in form and of bids received after July 1. None offered anything conforming to the requirements of the statute. Among things claimed to be new were 100 pounds teosinte, a sub-tropical American grass. Seed of this plant was distributed by the department in 1886; and has frequently been advertised for sale by leading seedsmen.

While one purpose of the law was to secure reports from the receivers as to results of actual experiment the reports actually received did not amount to one-hundredth of one per cent of the persons supplied. Nor were those received sufficiently definite to be of any practical service. A careful review of the department reports, especially those of the chiefs of the seed division during the past decade, in which over \$1,100,000 was expended for free seed distribution, fails to reveal a single instance of benefit to agriculture attributable to this distribution.

Of hundreds of papers, mostly agricultural, received at the department not one is found to commend the distribution, many of them persistently ridicule it, most of them condemn it, while grange associations and other agricultural bodies have adopted resolutions to the same effect.

THE Steele, Briggs, Marcon Seed Co. of Toronto have completed a new plant at the east end of the city, including a large 3-story and basement brick store house for seeds, large brick stable and loft for 10 or 12 horses, a block of six green-houses 14x100 and a comfortable brick dwelling for the foreman.

B. L. GRANT of Hudson, a prominent grower of the northwest, has gone to Boston for a six weeks' visit.

# Buy Seeds of BURPEE

## Get the BEST and Save Money!

Write to-day for BURPEE'S BLUE LIST,—giving Wholesale Prices for Market Gardeners. Choice YELLOW DANVERS ONION at 75 CENTS PER POUND,—RED WETHERSFIELD at \$1.00 PER POUND.

Have you read BURPEE'S FARM ANNUAL FOR 1896? It is a handsome BOOK of 184 pages. Price 10 cents (less than cost), but mailed FREE to all who intend to purchase Seeds. WRITE TO-DAY! Do not delay. Address

W. ATLEE BURPEE & CO., PHILADELPHIA, PA.

## ASTER SEED.

SEMPLE'S STRAIN of Asters, the best and only strain for florists to make money out of the cut flowers. Large flowers like chrysanthemums, long stems and exquisite colors, excellent for growing inside in summer. Flowers bringing from \$1.50 to \$3.00 per dozen. Read the following from Randolph & McClements:

MR. SEMPLE, Bellevue, Pa.—"The Aster Seed purchased from you produced the finest flowers I ever saw. Under glass in summer they will make the best summer flower we can get, producing flowers 4 to 5 inches in diameter." Yours truly,

Mixed Seed, three klods, Pink, White and Lavender. Separate colors all sold. Seed all grown in 1895.

JAMES SEMPLE, Box 2, BELLEVUE, Allegheny Co., PA.

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Ampelopsis Veitchii .....	Trade pkt. Oz.	
Alyssum, Sweet .....	.10	\$ .20
	.05	.20

### ASTERS.

Victoria, white, pink, crimson, light blue, dark blue, each.....	.25	2.50
Same, all colors mixed.....	.25	2.00
Truffaut's, separate colors.....	.25	2.50
All colors mixed.....	.25	2.00
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Giant Comet, white.....	.25	2.50
Cosmos, early flowering hybrids, new.....	.20	
Daisy, Vaughan's Mammoth mixed.....	.25	
Mammoth white.....	.25	
Extra choice mixed.....	.25	
Lobelia Spectiosa, running.....	.10	1.00
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Golden Gem, yellow leaves.....	.25	
Musk Plant.....	.10	
Mignonette Machet.....	.10	.50
Musa Ensete, 100 seeds, \$1.50.....	.50	
Pansy, Giant mixed.....	.50	5.00
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Cibson's Progressive Verbena Seed, an advance on all previous productions. Well grown specimen florets of many of the klods 1½ inches across and easily span a silver half dollar, and of the most intensely brilliant and varied colors. In fine mixture per trade pkt. 25c; ¼ oz. 50c; per oz. \$1. White Plum, separate, per trade pkt. 30c; ¼ oz. 60c; per oz. \$1. Purple, with distinct white eye, per trade pkt. 30c. Trial pkt. 10c, either klot.

Petunia Cal Giant, finest selection, per 100 seeds 60c. Single fringed, Dreer's selected stock, per 1000 seeds 50c. The Wonderful Dakota Primrose, 2 to 4 inches across, 100 seeds 10c. Scabiosa Snowball (pure white) and mixed colors, per pkt. 5c; trade pkt. 25c. Dwarf French, gold striped Marigold, pkt. 5c; trade pkt. 25c. Verbena stock plants, 3-in. including latest novelties, labeled, \$4; mixed \$3; from flats, labeled, \$2.50; mixed \$2; rooted cuttings 90c per 100; \$8 per 1000.

No disease. We grow the largest Verbenas known. Variegated Vincas, strong field-grown, 3-inch 8 shoots, \$5; mix, 5c; trade pkt. 25c. \$2; rooted, \$1 per 100, \$8 per 1000. The beautiful new Star Cannas, the set of 15 magnificent klods, \$4, 3 and 4-inch. Dry roots, single eyes, \$8 per 100 all named. Mixed Crozy Seedlings, dry \$3 per 100. For other interesting specialties see descriptive list, gratis.

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weeps with you.

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and convince yourself of  
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Cyclamen, Giganteum,	1.00	

	Trade Pkt.	Ounce
Mignonette, Machet,	.10	\$ .40
Centaurea, Gymnocarpa,	.15	.40
Carnation, Marguerite,	.25	1.50
Salvia Splendens, -	.25	1.50

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Cardenias, bushy, 15 to 18 inches, \$12.00  
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Guava Red Cattle, 1-20 inches, \$12.00  
Magnolia Fuscata, 8, 15 & 20 in., \$12, \$15 & 25.00  
Olea Fragrans, 6, 10 & 20-15 in., \$8, \$12 & 20.00  
Oranges & Lemons, grafted on dwarf stock, blooming size, stocky, 10-12 & 15-18 in., \$25 & 40.00  
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Stock of above all pot-grown, ready now to ship, and in best possible condition.

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Des Moines, Iowa.

Trade continues fair, but supply is very short and all stock is used as fast as produced. Some are shipping in roses and carnations. At a special meeting of the club last week a committee was appointed to revise the floral department of the premium list of the Iowa State Fair and recommend it to the State Agricultural Society.

Some time since one of our local florists opened a stand in a department store and sold cheap, so cheap that he had to give it up and now has opened with an undertaker. I hear it suggested that the next move may be to the cemetery.

The firm of Cline & Balthis dissolved partnership by mutual consent, Cline going out and Balthis remaining.

J. T. D. F.

Altoona, Pa.

Meyers Bros. furnished a large number of very handsome designs for the recent funeral of the foreman of the Penna. R. R. shops. There was fully a wagon load in all.

A defective boiler has caused Mr. A. A. Whitbred considerable loss during the cold spell of two weeks ago. Things are, however, now again in good shape.

Mrs. Geo. Hawksworth recently had the misfortune to make a misstep on a slippery pavement, with a broken arm and a dislocated shoulder as the result.

Messrs. Meyers Bros. are cutting some fine Scotts, Lizzie McGowans, Grace Wilders, etc. Their plant is at Eldorado, about four miles from Altoona, and consists of eight 20x100 houses. HOMO.

**New Seedling****CHRYSANTHEMUM****Wm. Simpson.**

See American Gardening, December 14th, pp. 415.  
Florists' Exchange, November 23d, pp. 1144.  
Garden and Forest, November 20th, pp. 465.

To be sent out March 15th, 1896.

50c each; \$5 per doz.; \$35 per 100.

JOSEPH HEACOCK,

WYNCOTE, PA.

**OUR NEW****CHRYSANTHEMUMS****FOR 1896**

Have been fully indorsed by the  
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Descriptions and prices free on application.

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STOCK PLANTS. Jessica, Pelican, Ivory, Queen, Marie Louise, Edy Prass, V. H. Hatlock, W. H. Lincoln, Mrs. Gov. Flier, Drexel, E. D. Smith, Louis Bochner, etc., 40 cts. per dozen.

SMILAX ROOTS \$1.50 per 100.

Write for prices of CUT FLOWERS and SMILAX, ETC.

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## IVOIRE ROSE,

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Without doubt the best all round variety grown for general purpose. In color it is a beautiful silvery pink.

**NO GROWER SHOULD BE WITHOUT IT.**

**We offer plants from 2-inch pots, March 1st delivery, at \$3 per doz.; \$20 per 100.**

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**TWO BEAUTIFUL NEW CHRYSANTHEMUMS****GRETCHEN BUETTNER.**

A large, beautiful white of great depth; distinct in color and form. Strong stem and fine foliage. 3½ ft. Crown bud. Certificate of Merit Horticultural Society, Chicago. First Class Certificate N. C. S. (See AM. FLORIST, Nov. 16)

\$5.00 PER DOZEN; \$35.00 PER 100.

READY MARCH 1, 1896.

**MRS. E. BUETTNER.**

A beautiful clear yellow reflexed flower, in form like Morel, with excellent stem and foliage. Late. 3½ feet. Crown bud.

First Class Certificate N. C. S.

\$4.00 PER DOZEN; \$25.00 PER 100.

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(MISS AGNES L. DALSKOV.)

Young Plants, \$2.00 per Dozen; \$10.00 per 100.

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**AND MERRY MONARCH,**

50 cts. each; \$5.00 per dozen.

Marion Henderson and Major Bonaffon,

25 cts. each; \$2.50 per dozen.

CASH WITH ALL ORDERS.

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PHILADELPHIA. Rooted Cuttings, \$4 per 100.

The Queen, Major Bonaffon,  
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E. Dilledonze, Ivory,  
Domination, W. H. Lincoln,  
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Rooted Cuttings, \$1.50 per 100.

Stock plants of all the above, 15 cts. each.

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3-inch pots, 12 to 14 inches high	\$1.25 per doz.
	\$10 per 100.
	\$95 per 1,000.

### KENTIA BELMOREANA.

2 1/4-inch pots, 3 leaves, 8 to 10 inches high	\$2 per dozen.
	\$15 per 100.
3-inch pots, 4 leaves, 10 to 12 inches high	\$3 per dozen.
	\$25 per 100.

### KENTIA FORSTERIANA.

2 1/4-inch pots, 3 leaves, 6 in. high	\$1.25 per doz.
	\$10 per 100.
3-inch pots, 4 leaves, 10 to 12 inches high	\$2 per dozen.
	\$15 per 100.
4-inch pots, 4 to 5 leaves, 15 to 18 inches high	\$4.50 per doz.
	\$35 per 100.

### COCOS WEDDELIANA.

2 1/4-inch pots, about 5 inches high	\$2 per dozen.
	\$15 per 100.

Owing to a scarcity of this variety the price is about 50 per cent higher than last year. We have but a limited stock of this variety to offer.

### LATANIA BORBONICA.

2-inch pot, 3 to 4 leaves	\$75 cts. per doz.
	\$5 per 100.
	\$40 per 1,000.
3-inch pots, 4 to 5 leaves	\$1.25 per doz.
	\$10 per 100.
	\$90 per 1,000.
4-inch pots, 4 to 5 leaves	\$3 per dozen.
	\$25 per 100.

The 3-inch pots are just beginning to show character nicely, while the four are nicely developed plants.

### Chamaerops Excelsa.

2-inch pots	\$75 cts. per doz.
	\$5 per 100.

### Cocos Plumosa.

3-inch pots, 15 inches high	\$1.25 per doz.
	\$10 per 100.

### Ptychosperma Alexandrae.

2-inch pots, 6 inches high, 3 leaves	\$75 cts. per doz.
	\$6 per 100.

### Livistona Rotundifolia.

A nice lot of small plants of this scarce variety in 2-inch pots	\$2.50 per doz.
	\$20 per 100.

## HENRY A. DREER,

714 CHESTNUT ST.

PHILADELPHIA, Pa.

## PALM SEEDS

We are now booking orders for the following Palm Seeds which we expect in the course of the next month, and repeat that we guarantee full germinating power and replace seeds non-germinating.

	Per 1000	Per 5000	Per 10,000
Cocos Weddelliana	\$12 00	\$55.00	\$100.00
Areca lutescens	10 00	47.50	90.00
Areca rubra	10 00	47.50	90.00
Geonoma gracilis	12 00	55.00	100.00
Geonoma Schottiana	15 00	65.00	120.00
Lantana borbonica	2 75	12.00	20.00

Send your order at once if you wish to receive first-class seeds.

On hand in excellent condition:

Corypha (Livistona) australis	Per 100	\$75
Kentias, new crop not expected before August	Per 100	\$5.00

Chas. Schwake, 404 E. 34th St., New York.

## NOVELTIES

For FLORISTS and SEEDSMEN.

ROSES—White Rambler, Golden Rambler, New Climbing Meteor and Carmine Pillar.

CRIMSON RAMBLER—\$6.00 per 100. Field grown, \$15.00 per 100. Extra fine plants, 3 to 5 feet high, \$25 per 100. Other roses at low prices. Send for list.

SPIRÆA ANTHONY WATERER—The Crimson Spiræa. The Ideal Pot Plant for Florists. Introduced last year at \$2.00 per plant, our price to-day \$8.00 per 100.

BULBS—Chinese Sacred Lilies, \$4.00 per 100. Lilium Candidum, fine bulbs, \$2.00 per 100. L. Longiflorum, \$2.00 per 100. L. Speciosum Album, \$6.00 per 100. L. Spec. Rubrum, \$5.00 per 100. L. Anatum, \$3.00 per 100. All other bulbs.

CANNAS—12 New Cannas, our own raising, \$6.00, warranted satisfactory or money refunded. Crozy's Cannas of '94, 20 cts each; set of 30, \$3.00. 30 named cannas, 50 sorts for \$5. French Cannas, \$12 per 100.

DAHLIAS—All the latest introductions. Mrs. Pearl the white Cactus Dahlia, \$10 per 100. Nymphæa, the pink cut flower Dahlia, \$7 per 100. Mixed Dahlias, \$4 per 100.

IMPERIAL MORNING GLORIES—Double and single flowers, 6 inches. Seed, \$5, \$10, \$20 and \$40 per pound.

FANCY FLOWER POTS and JARDINIÈRES—Largest assortment in the country. Send for catalogue.

A. BLANC & CO.,  
PHILADELPHIA, Pa.

## NEW BISMARCK APPLES.

1 and 2 years old, for 3 months.

CH. KOEHLER, Five Points Nursery,  
Oxford Church P. O., Phila., Pa.



## HERMOSA ROSES.

FIRST SIZE	per 100, \$5.00; per 1000, \$45.00
SECOND SIZE	per 100, 7.00; per 1000, 63.00



## H. P. ROSES, 2 YEAR (Budded).

All Leading Varieties..... per 100, \$10.00



CLOTHILDE SOUPERT, 8 to 13 inch, strong..... per 100, 10.00



## CLEMATIS (Jackmanni and type).

Holland grown, 2 year..... 12 for \$3.75; per 100, \$27.50

Holland grown, 3 year..... 12 for 4.80; per 100, 38.00



HYDRANCEA P. Cr., 4 feet, strong..... 12 for 1.50; per 100, 10.00

VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET,  
CHICAGO.

## 100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

## ROSES

H. P. LOW BUDDED.

LILAC Marie Legraye, pot-grown.

CLEMATIS, extra strong.

AZALEA MOLLIS, dwarf and standard.

ENGLISH IVY, 4 to 5 feet long.

SPIRÆA JAPONICA, strong clumps.

Kalmia, Rhododendron, Snowball,  
and other Nursery Stock.

L. C. BOBBINK, RUTHERFORD, N. J.  
Branch of the Horticultural Co., 808koop, Holland.

## CHOICE SEEDS.

PETUNIA GRAND. FIM. FL. PL.

The largest and finest strain of double fringed and mottled Petunias to be had. All who see these Petunias say they are the finest they ever saw. Extra.

VERBENA GRANDIFLORA.

An exceedingly fine collection of double flowering varieties: flowers one inch in diameter of the most showy colors. My customers write that this is the finest strain of Verbenas they can get; requires no better evidence of superiority. Every florist should sow of it.

CYCLAMEN GIGANTEUM.

A magnificent collection of the finest giant flowering varieties: largest flowers and best colors.

Each, per trade pkt., 25c.; 3 pkts., 60c.; 6 pkts., \$1.00. I will here thank my florist friends for the many letters of commendation received during the past year.

JOHN F. RUPP, Shrewstown, Pa.

Mention American Florist.

## SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

When writing mention American Florist.

## Palms & Ferns.

Our 17 collection, 3 & 4-inch \$3.34 for \$5; 10 & 4 & 5-inch \$3.50, 20 for \$6; 6 & 6-in. for \$5. All good selected varieties. Special sale: Choice FERNS, \$5.00 and \$6.00.

ROSES and GERANIUMS, LABELS, MOSS, ETC.

WILLIAMS & SONS CO., Batavia, Ill.

## FERNS.

PTERIS TREMULA, 3-inch..... Per 100 \$5.00

“ ADIANTIFOLIA, 3-inch..... 4.00

“ “ 2 1/2 inch... 2.00

These are nice bushy plants for immediate use.

JOSEPH KIFT, West Chester, Pa.

SMILAX from flats, 25c per 100 by mail; dry roots, \$1.00 a 100. GERANIUMS, 2-in. pots, \$2.25 per 100. Send for samples. Cash with the order.

FRED. BOERNER, Cape May City, N. J.

## News Notes.

BARRE, VT.—Wm. Clark & Co. have sold their florist business to W. O. Sanders, who is now doing the only florist's business in the city with about 2,000 feet of glass. Wm. Clark & Co. only retain the business of seedsmen.

ATLANTIC CITY, N. J.—D. B. Edwards built two new houses last fall, connected with his store. Florists here are much troubled by the fakirs, who leave the large cities during the summer and follow flower buyers to the seaside resorts.

TRENTON, N. J.—Wm. Moore & Co. report their holiday trade as the best they ever had, full 50% above last year. They are receiving some remarkably fine M. Louise and California violets from H. H. Stuller, Kingston, N. J., who must be a fine violet grower.

BUFFALO, N. Y.—The park commissioners have favorably considered a proposition to locate a new park at Black Rock, overlooking the Niagara river. They request of the council appropriations amounting to \$314,000 for the maintenance of the parks for the year.

AUBURN, N. Y.—The jury in the case of Carl Armbruster, who had sued the Auburn City Gas Co. for \$3,200 for damages sustained to plants in his greenhouses by escaping gas coming from a leak in the pipes outside his premises, returned a verdict for \$2,000 in his favor.

NASHUA, N. H.—At the annual meeting of the New Hampshire Horticultural Society held at Concord, January 15, the following officers were elected: President, C. C. Shaw, Milford; vice-president, John W. Farr, Littleton; secretary, W. D. Baker, Quincy; treasurer, T. E. Hunt, Lakeport.

WEST CHESTER, PA.—At the annual meeting of the Pennsylvania State Horticultural Society held here officers for 1896 were elected as follows: President, William H. Moon; vice-presidents, H. M. Engle, Howard Chase and Henry S. Rupp; recording secretary, William H. Brinton; corresponding secretary, W. P. Brinton; treasurer, Hibberd Bartram. The next annual meeting will be held at Allentown.

NEW BEDFORD, MASS.—At the regular monthly meeting of the Gardeners' and Florists' Club on Monday evening, January 13, an essay on cinerarias was read by James Garthley. Officers for 1896 were elected as follows: President, John P. Rooney; vice-president, James Garthley; treasurer, Dennis Shea; recording secretary, A. J. Fish; assistant secretary, William J. Smith; executive committee, Robert Mitchell, John Driscoll, William Keith.

PROVIDENCE, R. I.—The fifty-first annual meeting of the Rhode Island Horticultural Society was held on January 15. Officers for the ensuing year were elected as follows: President, Levi W. Russell; vice-presidents, Col. R. H. I. Goddard, J. E. C. Farnham, Hon. Royal C. Taft; secretary and treasurer, Charles W. Smith; librarian, Thos. K. Parker; botanist, Prof. W. W. Bailey; trustees, S. H. Manchester, J. G. Massie, N. D. Pierce, Jr., E. I. Nickerson, J. D. Fitts.

## DO YOU WANT CARNATIONS?

If so, why not GROW the BEST?

50,000 ROOTED CUTTINGS, including Daybreak, Wm. Scott, Goldfinch, Lizzie Gilbert, Emily Pierson, Lizzie McGowan, Tidal Wave, S. Spray, Hine's White, &c. Can do you justice in quality and prices. Write me before you buy. Address CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

## WATCH 'EM!

..... We are not Advertising Carnations

## DELLA FOX and ANNIE H. LONSDALE

for fun, but we want every grower in the United States to know that they are the best Novelties ever offered to the growers, and **WATCH 'EM** next fall when all over the country the Chrysanthemum shows are in full swing, and you will find that **DELLA FOX** will be the winner in all classes of **Light Pinks** the same as it was last fall—without **one single exception**—wherever exhibited.

The parties growing it in 1896 will have the opportunity of winning the large **Cash Prizes** offered by us.

**DELLA FOX** and Annie H. Lonsdale have forged to the front simply on **merit**. And when we claim they are the most prolific bloomers, strongest growers and longest stems of any varieties in cultivation—new or old—we do it without fear of contradiction.

## COME AND SEE THEM.

One Hundred Dollars in Cash Premiums will be offered for the best 50 blooms of **DELLA FOX** in the fall of 1896—divided in the four largest cities in the U. S.

**ROOTED CUTTINGS**, Price: Less than 100, \$12.00 per 100. 100 @ \$10.00 per 100. 1000 @ \$75.00 per 1000. **READY MARCH 1st, 1896.** No orders will be booked unless cash accompanies order or satisfactory reference given. Sample cut blooms will be sent to florists' clubs only on application.

**MYERS & SAMTMAN, Wyndmoor, Chestnut Hill, Phila.**

## ROOTED GARNATION CUTTINGS.

If you want to be successful in growing good flowers that will bring paying prices get your cuttings from prize winners. Our blooms are bringing the highest prices and we have been unable to supply the demand. We received a gold medal at the Atlanta flower show for best collection and all the first premiums on the schedule (7) at the same show; four first premiums at the Madison Square Garden show, New York, where our flowers came in competition with those from the best growers in the country; likewise in Baltimore and Cincinnati.

We can fill orders for 100 or 50,000 of all the best varieties up to date and guaranteed free from rust, fine, vigorous, well-rooted cuttings.

Let us know your wants and amounts and we will give you prices which we believe will be satisfactory for high class plants.

Be careful in selecting your stock as this is the foundation for either success or failure.

Send for price list.

BOX 57.

**H. WEBER & SONS, Oakland, Md.**

## IVORY, NEW WHITE CARNATION.

Closely resembling Wm. Scott in growth of plant and abundance of bloom. Flowers pure ivory white, of good size and fine form.

**ROOTED CUTTINGS** ready March 1st, \$10.00 per 100; \$75.00 per 1000.

Send for complete price list.

**GEO. HANCOCK & SON, Grand Haven, Mich.**

## CARNATIONS

50,000 **ROOTED CUTTINGS** now ready; all taken from good healthy plants:

**THOMPSON**, a good clear pink, similar to Scott, **CARTLEDGE**, **SCOTT**, **DAYBREAK**, **BUTTERCUP**, **PORTIA** and **McGOWAN**. Write for prices.

**THOMPSON BROS., Kennett Square, Pa.**

## Zirngiebel Asters and Pansies

are without doubt the best in cultivation.

**ZIRNGIEBEL'S WHITE**, for early.

**SEMPLE'S WHITE** and **SEMPLE'S ROSE**, for late. Also Early Dwarf White Stock. All in Trade Packets, at one dollar each.

**DENYS ZIRNGIEBEL, Needham, Mass.**

## CARNATIONS—Rooted Cuttings.

Scott, \$1.50 per hundred; \$12.00 per thousand. All standard varieties \$1.00 per hundred.

Also Cuttings of all kinds of bedding stuff and Chrysanthemums.

**JACOB RUSSLER, 102nd and Clinton Sts., Chicago.**

## DRACÆNA INDIVISA

out of 7 and 8-inch pots. Good plants, 2 to 3 feet high, \$3.00 per dozen; \$25.00 per 100.

## ASPLENIUM BULBIFERUM FERN

fine, strong plants out of 3-inch pots, \$6.00 per 100. Cash.

**FORT ROUCE GREENHOUSE CO.,**

**F. FRANCIS, Mgr. Winnipeg, Manitoba.**

## GARNATIONS.

## Rooted Cuttings.

Perfectly clean and healthy, and will be well rooted when sent out.

50,000 ready Jan. 25 and later.

## VARIETIES:

**DAYBREAK**, **WM. SCOTT**, **McGOWAN**, **PURITAN**, **SILVER SPRAY**, **TIDAL WAVE**, **MME. ALBERTINI**, **EMILY PIERSON**, **PORTIA**, **HELEN KELLER**, at

\$1.50 per 100; \$10 per 1000.

**BOUTON D'OR**, best yellow, \$3 per 100; \$25 per 1000.

**TERMS CASH WITH ORDER.**

**MAGNUSON & PEARSON,**

*Bowmanville, Station X, CHICAGO.*

## ELDORADO

The best **YELLOW CARNATION** in this locality; bears large, well-formed blooms on strong stems. Winner of two first prizes Penna. Hort. Show, Nov., 1895. Flowers brought \$6.00 per 100 wholesale at Christmas.

**Rooted Cuttings \$5 per 100; \$40 per 1000.**

**JOHN WELSH YOUNG, Germantown, Pa.**

50,000 Rooted Cuttings of the leading market varieties of

## CARNATIONS.

Also thousands of Rooted Cuttings and Stock Plants of sixteen of the newest and best premium varieties of **CHRYSANTHEMUMS**, all at the lowest possible prices for cash. Address

**MRS. GEO. R. FRAVELL, Marion, Ind.**

## CARNATIONS.

SEND FOR DECEMBER TRADE LIST.

## CARNATIONS.

WHAT'S THE USE OF DOING BUSINESS FOR NOTHING

When you can make money  
by selecting your stock fromTHE COTTAGE GARDEN LIST OF  
Selected Cuttings Grown from Selected Stock Plants.

PINK—Bridesmaid,  
Triumph,  
Scott,  
Della Fox,  
Rose Queen,  
Daybreak,  
Albertini.

WHITE—Storm King,  
Alaska,  
Annie Lonsdale,  
McGowan,  
RED—Meteor,  
Jubilee,  
Portia.

YELLOW—Goldfinch,  
Kitty Clover,  
Eldorado,  
VARIEGATED—Helen Keller,  
Armazinda,  
Minnie Cook,

Our Carnations were awarded the *Magnificent Silver Cup* offered by James Dean. Also the *Special Silver Cup* offered by the *National Live Stock Association*, Madison Square Garden Flower Show, for the best displays of Carnations. While the competition was sharp, the judges unanimously awarded the prizes to the Cottage Garden Collections.

IT IS CONCEDED that there is no money in growing common stock. MORAL: Buy the *Prize Winners*, learn how to grow them, get to the front, secure your share of the high class trade and make something.

LET THE "CROAKERS CROAK," BUT GET THERE YOURSELF.

SEND YOUR ORDERS EARLY,  
AND SEND THEM TO

C. W. WARD, Mgr., QUEENS, L. I., N. Y.

CANNAS Ready  
Now.

Geranium Cuttings all sold.

CHRYSANTHEMUMS in  
Season.In reply to numerous inquiries we wish to state that the sale of our CARNATION  
FLOWERS has been placed in the hands of

JOHN YOUNG, 51 W. 28th St., N. Y. City.

Carnation Orders  
BOOKED NOW.

Good, clean, well-rooted stock. NO RUST.

	Per 100	Per 1000
BRIDESMAID.....	\$5.00	\$50.00
METEOR.....	5.00	40.00
STORM KING.....	5.00	40.00
UNCLE JOHN.....	3.00	25.00
STUART.....	3.00	25.00
E. A. WOOD.....	3.00	25.00
GOLDFINCH.....	4.00	35.00
WM. SCOTT.....	2.50	20.00
DIAZ ALBERTINI.....	3.00	25.00
DAYBREAK.....	3.00	25.00

## CHRYSANTHEMUMS.

	Each	Dz.	100
Mrs. W. C. Egan, new (ready March 1)	50	\$5.00	\$35.00
Tippecanoe, new (ready March 1)	50	5.00	35.00
Amaranth, new (ready March 1)	50	5.00	35.00
Mr. E. M. Biegelow	1.00	8.00	
Mrs. S. T. Murdock	1.00	8.00	
Oakland	1.00	8.00	
Major Bonnsion and other choice older standard sorts	.75	5.00	

Send for descriptive trade list.

F. DORNER & SON,  
LA FAYETTE, IND.

## CARNATIONS

Orders solicited for  
ROOTED CUTTINGS.

KOHINOOR takes the lead.

Other Novelties of the Standard sorts at standard prices. All healthy and strong.

C. J. PENNOCK,  
The Pines. KENNETT SQUARE, Chester Co., PA.CARNATIONS  
PEACHBLOW.Rooted Cuttings ready April 1st, '96, \$5.00  
per 100, and \$45.00 per 1000.

Book your orders early and be sure that you will get them. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

Peter Fisher, MASS.  
NEW AND TESTED  
CARNATIONS.

## HERR'S CARNATIONS.

ROOTED CUTTINGS that will give good results, because they are taken from  
healthy stock, and will be well rooted when sent out.

VARIETIES—McGowan, Mrs. Fisher, and Alaska, the best of all whites.

Daybreak, Scott, Aurora, Sweetbrier, Rose Queen, Peachblow, Dorner,  
Stuart, Portia, Jubilee, Buttercup, Eldorado, Kitty Clover, Keller, Iago,  
and Meteor, the best of all dark ones. Thomas Cartledge and Wave; also  
all the Novelties, including Annie Lonsdale and the hit of the season DELLA FOX.

Don't place your order before writing to me. I have fourteen large houses full of Carnations and think we can make a deal. In asking for prices please state how many you will want of each variety and when they are to be delivered.

L. B. 496.

ALBERT M. HERR, LANCASTER, PA.

Mention American Florist.

## The Crack Carnations:

SCOTT, ALBERTINI,  
DAYBREAK, MCGOWAN.Selected Cuttings, well rooted in sand  
and soil, delivery February 15th and  
later, \$2.00 per 100; \$15.00 per 1000.Send your order at once, with  
cash, to get these figures . . .ALEX. MCBRIDE,  
ALPLAUS, N. Y.

WM. SWAYNE,

P. O. Box 226. KENNETT SQUARE, PA.

CARNATION SPECIALIST.

Price List of New and Leading Market  
sorts now ready.  
Mention American Florist

## WANTED.

100,000 Carnation Cuttings.

Ship us your Carnation Cuttings in April and  
we will grow them for you all summer and send  
them back to you in August or September. We  
charge one cent a plant for growing. We have  
the soil and water. ORDERS BOOKED NOW.

MORRIS FLORAL CO., Morris, Ill.

## CARNATIONS!

The two leading varieties

Alaska and Minnie Cook.

Buy from the originator and procure genuine  
stock. CUTTINGS NOW READY.

— ALSO —

ROSE QUEEN, DAYBREAK, WM. SCOTT,  
VAN LEEUWEN, TIDAL WAVE, Etc.

Write for price list.

McCORNAC & CO., Paterson, N. J.  
Successors to H. E. CHITTY.

## Eldorado, Kitty Clover

The best YELLOW CARNATIONS to grow for profit.  
ROOTED CUTTINGS now ready, @ \$5.00 per 100.  
Also 30,000 strong rooted cuttings of suitable kinds  
for summer bloom.  
LADY CAMPBELL VIOLETS, root'd runners, @  
\$1.00 per 100; \$8.00 per 1000.W. R. SHELMIER,  
Chester Co., AVONDALE, PA.

## CARNATIONS—Rooted Cuttings.

DAYBREAK, TIDAL WAVE, SILVER SPRAY,  
LIZZIE MCGOWAN LOUISE SINGLER, \$2.00  
per 100; \$15.00 per 1000.

## GERANIUMS—Rooted Cuttings.

\$1.50 per hundred, 2-inch pots, \$2.50 per hundred.

C. LENGENFELDER,  
Berdeau and Western Ave., CHICAGO.



## News Notes.

WEST NEWTON, PA.—Fire destroyed the greenhouse of P. H. Logan January 8.

SHARON, PA.—Fire did \$2,000 damage to the establishment of Chas. Heinz recently.

CLARKSVILLE, TENN.—J. J. Crusman made an assignment December 22 last. At the present time Jas. Morton has leased his place.

RIDGEWOOD, N. J.—A. V. D. Snyder erected one new house 87x18 last fall. Mr. Snyder's specialty is bulbs; he is forcing 450,000 in different varieties this winter.

GERMANTOWN, PA.—The Germantown Horticultural Society has elected officers as follows for 1896: President, Jonathan Jones; vice-presidents, Charles J. Wister, John S. Hart, Albert Woltemate; secretary-treasurer, George Redles, Jr.

THE Nebraska State Horticultural Society has elected the following officers: President, E. F. Stephens, Crete; first vice-president, C. A. Marshall, Arlington; secretary, J. H. Haddonson, Lincoln; treasurer, Peter Younger, Jr., Geneva.

LAWRENCE, MASS.—Mayor Jenkins urges that some early action be taken in the matter of laying out a park system, and favors the creation of a loan for a long term of years to carry on the work, and recommends a high water service.

GRIGGSVILLE, ILL.—The Horticultural Society of Central Illinois elected the following officers for 1896: H. Augustine, Normal, president; C. G. Winn, Griggsville, vice president; G. W. McClure, Champaign, secretary and treasurer. The next meeting will be held at Carthage.

NEWARK, N. J.—Nearly the entire stock of plants in the greenhouses of Carl Voigt were ruined early this month as the result of malicious work by some unknown person. On a very cold night the chimney was stopped up by being stuffed with old bags, shutting off all draught, deadening the fires and filling the houses with coal gas.

ORCAS, WASH.—At this date (January 12) hyacinths are pushing through the ground, and crocuses have been up 30 days. Irises are showing and lots of tulips were through two weeks ago. This is the grandest country in the world for growing bulbs; our warm winters and cool summers just suit them. There are hundreds of violets in bloom in the open.

## BOSTON FLORIST LETTER CO.,

13 Green St., BOSTON, MASS.  
Office, 84 Hawley St.

## Manufacture the Best Letters in the Market.

Sizes 1½- and 2-inch, \$2.00 per 100. Patent fastener with each letter.

With orders for 500 letters we give away a nicely stained and varnished box. See cut in next week's American Florist.

Our letter is handled by all the wholesalers in Boston. AGENTS: A. Rolker & Sons, New York; M. Rice & Co., 25 N. 4th Street, Philadelphia, Pa.; E. E. McAllister, 22 Deo St., N. Y.; H. Bayersdorfer & Co., Philadelphia, Pa.; A. D. Perry & Co., 33 Warren St., Syracuse, N. Y.; A. C. Kendall, 115 Ontario St., Cleveland, O.; E. H. Hunt, 79 Lake St., Chicago; Wisconsin Flower Exchange, 131 Mason St., Milwaukee, Wis.; H. Sunderbruch, 4th and Walnut Sts., Cincinnati, O.; T. W. Wood & Sons, 6th and Marshall Sts., Baltimore, Md.; Jas. Vick's Sons, Rochester, N. Y.; Dan'l B. Long, Buffalo, N. Y.; C. A. Kuehn, St. Louis, Mo.; Hunt-Ington Seed Co., Indianapolis, Ind.; W. Ellison, 1402 Pine Street, St. Louis, Mo.; A. Herrman, 415 E. 34th St., New York; Geo. A. Sutherland, 67 Bromfield St., Boston; Welch Bros., No. 1A Beacon St., Boston; N. F. McCarthy & Co., 380 Broadway, New York; Th. Henry Philippe Seed and Implement Co., Toledo, O.; Walter A. Potter & Co., Providence, R. I.; J. C. Vaughan, 26 Barclay St., New York.  
J. A. Simmers, Toronto, Ont., Agent for Canada.

## GAPE FLOWERS

By S. S. St. Louis.

"FRESH CROP." Stock Limited.  
Just Arrived.

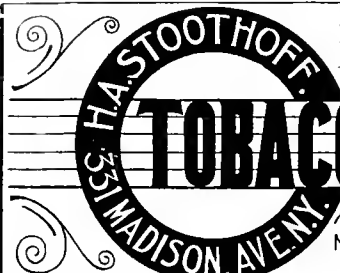
Special Prices for ORIGINAL CASES.

M. RICE & CO.

IMPORTERS AND MANUFACTURERS,

25 North 4th St., PHILADELPHIA, PA.

POINTER—Write at once, so you do NOT get left.



BBL 200 POUNDS \$4.00 ON CARS  
CASE 100 POUNDS \$2.75 N.Y.C.

**TOBACCO DUST TO BURN**

STRONG STUFF  
NOT A FEW GROWERS SAY ITS THE THING TO FUMIGATE WITH.

H. BAYERSDORFER & CO.,  
WHOLESALE  
FLORISTS' SUPPLIES ONLY,  
36 N. 4th Street,  
PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.



## WHITE DOVES

FOR FLORISTS.

Largest and finest stock in the United States. Write for prices to

S. J. RUSSELL,  
203 Summit Ave., JERSEY CITY, N. J.

John Conley & Son,  
Manufacturers of  
**TIN FOIL**  
2 AND 4 DOMINICK STREET,  
New York.

**LEMON OIL INSECTICIDE,**  
Used now by the leading Florists.  
75c. per quart; \$1.25 per ½ gallon; \$2.00 per gallon; \$9.00 for 5 gallons.  
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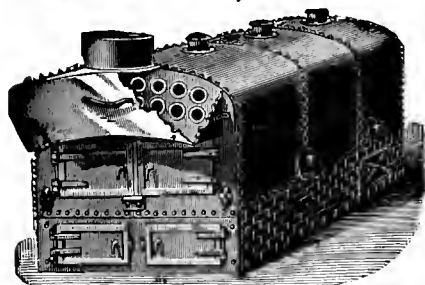
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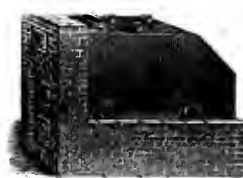
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Extra fine, per 100 lbs. \$5.  
Sample FREE.

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## News Notes.

**SALINA, KANS.**—Christmas and New Years trade was good. Everything was sold. John Buchi is constructing a large fountain in front of his greenhouses.

**LAPEER, MICH.**—Since last report W. H. Watson has added two houses 17x40 and one 8½x50. He has also built an office and put in a 40 horse power boiler. Carnations are principal stock grown. Trade is good here.

**PETOSKEY, MICH.**—S. J. Long has built a fine new house 14x55 with modern improvements and a 30 horse-power tubular hot water boiler has taken the place of the brick flues formerly used. He reports business as increasing steadily.

**SALEM, OREGON.**—There is a prosperous Floricultural Society here, giving a yearly rose show, and some seasons a fall chrysanthemum show too. The funds of the society are in a flourishing condition and they intend to give a rose show this spring, offering cash premiums for choice new varieties.

**FRANKFORT, IND.**—Henry M. Humfeld, late of the Humfeld Floral Co. of Kansas City, Mo., will go into the florist business here. Work on the new plant will begin as soon as weather will permit, as Mr. H. intends to be ready for fall trade. He will grow roses and carnations for wholesale trade, as well as a general stock for retail.

**BRANTFORD, ONT.**—T. A. Ivey has started a retail store in connection with his greenhouses. Trade here at Christmas was very good, much better than last year. Demand was chiefly for roses and carnations. There was a fair plant trade, mostly for palms and other decorative stock. The weather, though wet, was favorable for delivering. Trade since the holiday fairly good.

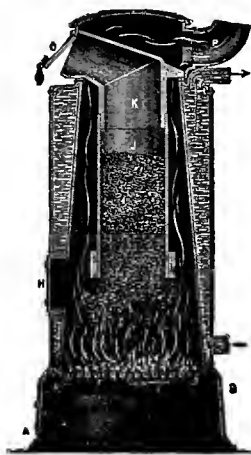
**DOVER, N. J.**—Early in November W. H. Spangler, florist and seedsman of this place, opened a store down town on Sussex street to be run in connection with his greenhouses. He always has a fine window display of either decorative or flowering plants; at present he is displaying, narcissus, hyacinths, tulips, cinerarias, Chinese primroses, cyclamen, etc. Extra fine Christmas trade. He intends going heavily into seeds this spring.

**DULUTH, MINN.**—Two new plants went up this last season, one containing about 14,000 feet of glass; both employ steam heat. McCombers' greenhouses, that were partially destroyed by fire last summer, have been repaired and are running as usual. Mrs. Steng still keeps at the old stand on Lake avenue, and Anderson's plant went into the hands of a large department store, who are growing roses and carnations for selling in their store in town. Lindsay's new plant is doing well at Lakeside.

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We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

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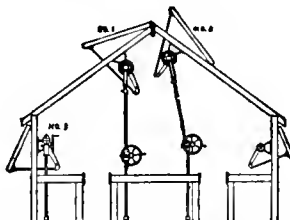
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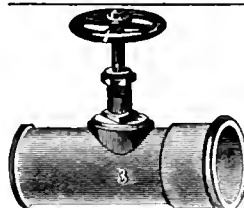
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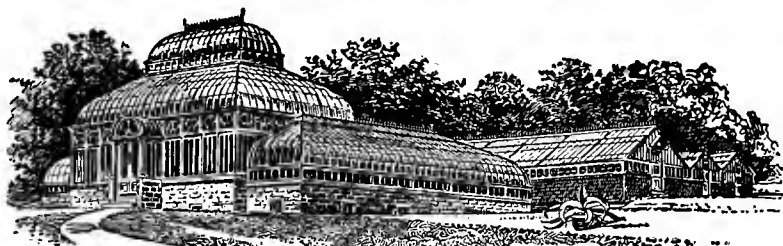
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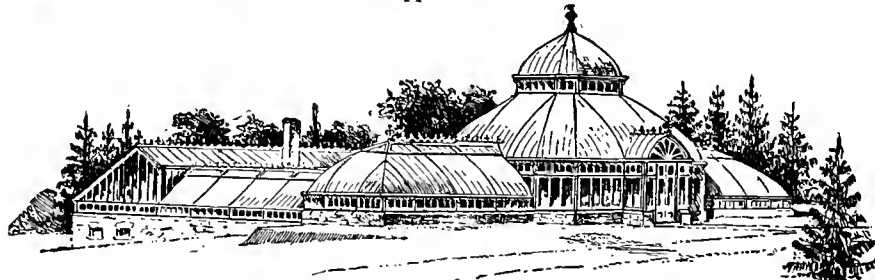
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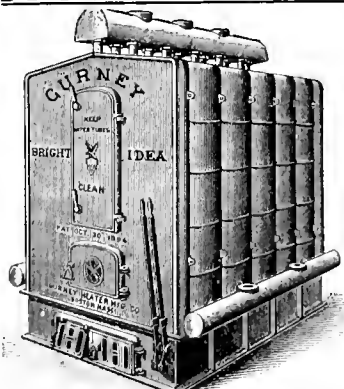
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